NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2 SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), IWAKUNI--ETC(U) JUL 78 AD-A060 537 UNCLASSIFIED NL OF 4 ADA 060537 鞰

SECURITY CLASSIFICATION OF THIS PAGE (Wash Data Entered)	
REPORT DOCUMENTATION PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM
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4. TITLE (and Subtitle) Summary of Motocopological Observations Supface	5. TYPE OF REPORT & PERIOD COVERED
Summary of Meteorological Observations, Surface (SMOS) Iwakuni, Japan	Reference report 1952-1977
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Naval Weather Service Detachment Asheville, N. C. 28801	8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS	10. PROGRAM ELEMENT, PROJECT, TASK
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Director, Naval Oceanography and Meteorology	July 1978
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19. KEY WORDS (Continue on reverse elde if necessary and identify by block number)	
Climatology, surface wind, temperature, precipita relative humidity, station pressure, extreme temp daily temperature, weather conditions, monthly cl facility, coastal region, snow depth, cloud cover	eratures, sea level pressure, imatology, Naval shore `, Iwakuni, Japan.

STATION	STATION NO. ON SUMMARY.	STATION NAME Iwakuni, Japan		34°(N, 60	132°14'E	STATION ELEV. (FT.)	RJOI	47764	£8
		STATION LOCATION AND INSTRUMENTATION HISTORY	Z	ND	1STRU/	WENTA	TION H	STOR		
NUMBER OF RARG			TYPE	AT THIS LOCATION	ATION	3011414		ELEVATION ABOVE WSL	BOVE WSL	280
LOCATION		GEOGRAPHICAL LOCATION & NAME	STATION	FROM	10		300 100	FEET	TYPE BAROMETER	DAY
1.	Weather	Weather office (operations bldg)	NS		1962	N, 60°48	132°14'E	10	Mercuria]	24
2.	Relocat	Relocated in weather office	MCAF	1962	1964	=	=	7.6	=	24
3.	New bar	New barometer installed	:	1964	1966		:	7.6	=	24
4.	Relocat	Relocated in weather office	=	1966		=	=	7.6	=	57
la.		Weather office (operations bldg)	:	1962	1966		=	12	Aneroid	24
2a.		Mounted in GMQ-14B cabinet	=	1966	1972	=	=	12	:	24
3a.		GMQ-14B cabinet	:	1972			=	1.2	:	24
NUMBER	DATE	SURFACE WIND EQUIPMENT INFORMATION	PMENT INFOR	MATION						
LOCATION	OF CHANGE	LOCATION		TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS, ADDIT	TIONAL EQUIPMENT,	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANSE	3 E
1.		Roof of operations building		AN/UMQ-5	5 none	28'MSL		n (ML 3)	, 000, 30	į
2.	1958	855' west of the runway center line and 3800' north of the south end of the runway	r line end of		AN/UMQ-5C RD-108B	B 20 MSL	2. Semi-auto met so 3. Ceiling light (N 4. Cloud height set 5. Theodolite (ML-4 6. Transmissometer 7. Rain gauge (ML)	Semi-auto met sta (AN, Ceiling light (ML-121) Cloud height set (RO-: Theodolite (ML-474) Transmissometer (1D-87)	Semi-auto met sta (AN/GNQ-145) Ceiling light (ML-121) Cloud height set (RO-121/GNQ-13) Theodolite (ML-474) Transmissometer (1D-820/GNQ-10C) Rain gauge (ML-217)	4b) Q-13) -10C)
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						63	Autorit (i)	1		

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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET 1tr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

- Ten years of data will be used as the standard period of record (POR).
- All available data will be used for extreme values.
- 3. Summarize (update) every five years.
- 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. will be included for extreme values.
- b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982
- The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
- d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for

pared in 1973. The retention of these summaries will provide the most comprehensive climatological file Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prefor your station. DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect COMMENT: All observations summarized in this tabulation have been computer edited for consistency and is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWSD), Asheville, N. C. welcomes your comment and criticisms.

NWSD, Federal Building Asheville, N. C.

PART A

Q

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

- 1. By month and annual, all hours and years combined.
- . By month and annual, all hours and years combined, by wind direction.
- . By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

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total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility. Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage

The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PARTA

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

may occur in the same daily observation, the sum of the values in the individual columns may not equal the centage of observations. Since more than one type of precipitation or more than one type of obstruction The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than per-

This presentation is by month with annual totals, and is prepared with all years combined.

A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later. NOTE:

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency

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WEATHER CONDITIONS

IWAKUNI, JAPAN

43324 STATION

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155		1240
% OF OBS WITH OBST TO VISION	14.2	13.5	14.2	15.5	14.8	10.3	11.6	10.3		13.1
AND/OR SAND										
BLOWING										
SMOKE AND/OR HAZE	9.7	7.7	5.8	9.0	7.7	5.2	6.9	6.9		7.3
50	4.5	5.8	4.8	7.7	7.1	5.2	5.2	3.9		0.9
% OF OBS WITH PRECIP.	9.7	11.6	12.9	12.9	12.3	0.6	6.5	4.5		6.6
HAIL										
SNOW AND/OR SLEET	1.9	1.3	3.2	4.5	5.2	3.2	1,3	1.9		2.8
FREEZING RAIN &/OR DRIZZLE						0	v			
RAIN AND/OR DRIZZLE	7.7	10.3	4.4	9.0	7.1	5.3	5.2	2.6		7.2
THUNDER- STORMS	- x				, i					
HOURS (L.S.T.)	00	03	90	60	12	15	18	2.1		
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IWAKUNI, JAPAN

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	141	141	141	141	1.	141	141	141			1128
% OF OBS WITH OBST TO VISION	33,3	29.1	29.8	33,3	28.4	26.2	23.4	31.9			29.4
DUST AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE	16.3	13.5	13.5	16.3	19.1	17.0	14.9	14.9			15.7
90	17.7	16.3	16.3	17.0	9.5	9.5	9.5	17.7			14.1
% OF OBS WITH PRECIP.	6.6	15.6	15.6	14.9	16.3	13.5	12.8	9.2			13.5
HAIL											
SNOW AND/OR SLEET	۲.	2.1	1.4	4.3	5.0	2.8	2.8	1.4			2.6
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	6.6	14.2	14.2	11.3	11.3	11.3	6.6	7.8		,	11.2
THUNDER- STORMS											
HOURS (L.S.T.)	00	03	90	60	12	15	18	2.1			
МОМТН	7. 83										TOTALS

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43324 STATION

IMAKUNI, JAPAN

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155			1240
% OF OBS WITH OBST TO VISION	31.0	31.6	31.6	39.4	34.2	26.5	27.7	32.9			31.9
DUST AND/OR SAND								,			
BLOWING											
SMOKE AND/OR HAZE	14.2	13.5	12.9	28.4	25.2	19.4	18.1	20.0			19.0
FOG	18.1	20.6	21.9	12.3	9.1	7.1	9.7	14.8			14.3
% OF OBS WITH PRECIP.	13.5	12.9	9.7	9.0	12.3	10.3	10.3	10.3			11.0
HAIL											
SNOW AND/OR SLEET		9.		1.3	1.9						5.
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	13.5	12.3	4.4	7.7	11.0	10.3	10.3	10.3			10.6
THUNDER- STORMS											
HOURS (L.S.T.)	00	03	90	60	12	15	18	21			
МОМТН	MAR										TOTALS

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WEATHER CONDITIONS

43324 STATION

IMAKUNI, JAPAN

73-77

PERCENTAGE PREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	150	150	150	150	150	150	150	150			1200
% OF OBS WITH OBST TO VISION	50.0	46.0	50.7	52.7	46.7	36.0	30.7	46.7			6.44
AND/OR SAND										***	
BLOWING											
SMOKE AND/OR HAZE	23.3	15.3	18.0	32.7	30.7	22.7	14.0	25.3			22.8
FOG	28.0	31.3	36.0	21.3	16.0	13.3	17.3	22.7			23.2
% OF OBS WITH PRECIP.	20.7	19.3	18.7	15.3	16.0	16.0	16.0	19.3			17.7
HAIL						۲.				4	
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	20.7	19.3	18.7	15.3	16.0	16.0	16.0	19.3			17.7
THUNDER- STORMS					۲.						7.
HOURS (L.S.T.)	00	03	90	60	12	15	18	21		8	
MONTH	APR										TOTALS

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DESERVATIONS

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155			1240
% OF OBS WITH OBST TO VISION	41.9	40.0	46.5	45.8	38.7	31.6	27.1	32,9			38.1
DUST AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE	17.4	10.3	12.9	27.1	25.8	21.3	16.8	18.1			18.7
FOG	26.5	31.0	35.5	20.6	14.2	10.3	11.0	16.1			20.7
% OF OBS WITH PRECIP.	14.2	17.4	19.4	16.1	12.9	4.0	14.2	13.5			14.7
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	14.2	17.4	19.4	16.1	12.9	9.7	14.2	13.8			14.7
THUNDER- STORMS					1.3			•			2.
HOURS (L.S.T.)	00	03	90	60	12	15	18	21			
MONTH	MAY										TOTALS
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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

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TOTAL NO. OF OBS.	150	150	150	150	150	150	150	150			1200
% OF OBS WITH OBST TO VISION	66.7	61.3	0.89	68.0	60.7	53,3	46.0	0.99	•		61.3
DUST AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE	36.0	25.3	28.7	43.3	42.7	35.3	26.0	38.0			34.4
50	32.0	38.7	45.3	25.3	18.7	18.0	20.7	29.3			28.5
% OF OBS WITH PRECIP.	19.3	20.0	18.7	20.7	19.3	16.7	17.3	15.3			16.4
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	19.3	20.0	18.7	20.7	19.3	16.7	17.3	15.3			18.4
THUNDER. STORMS	1.9					۲.	۲.				4.
HOURS (L.S.T.)	00	03	90	60	12	15	18	12			
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43324 STATION

IMAKUNI, JAPAN

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JUL

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DBSERVATIONS

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155		1240
% OF OBST WITH OBST TO VISION	58.7	58.7	0.00	58.7	43.2	41.9	34.2	49.7		50.6
AND/OR SAND										
BLOWING										
SMOKE AND/OR HAZE	33.5	24.5	24.5	41.9	35.5	36.8	29.7	34.2		32.6
506	27.1	38.1	40.6	20.0	7.7	5.8	5.2	16.1		20.1
% OF OBS WITH PRECIP.	10.3	12.3	11.0	9.7	7.7	0.6	7.7	7.7		4.6
HAIL										97
SNOW AND/OR SLEET										
FREEZING RAIN &/OR DRIZZLE										
RAIN AND/OR DRIZZLE	10.3	12.3	11.0	9.7	7.7	0.6	7.7	7.7		9.4
THUNDER- STORMS	1.3	1.3		••	•	4.	•	1.3		8.
HOURS (L.S.T.)	00	03	90	60	12	15	18	21		
MONTH	JUL									TOTALS

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WEATHER CONDITIONS

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00	9.	6.5				6.9	11.6	35.5			44.5	155
	03		5.9				5.8	16.1	24.5			38.1	155
	90		9.7				9.7	24.5	23.9			44.5	155
	60		4.6				8.	11.0	38.1			47.1	155
	12	9.	9.0				0.6	6.5	28.4			34.8	155
	15	1.9	9.0				0.6	5.2	21.3			26.5	155
	18	1.3	7.1				7.1	5.2	21.9			25.8	155
	21	9.	8.8				5.8	7.7	31.6			38.7	155
TOTALS		9.	7.7				7.7	11.0	28.2			37.5	1240

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WEATHER CONDITIONS

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

7 to .	150	150	150	150	150	150	150	150			1200
TOTAL NO. OF OBS.	-	-	-	-	-	1	1	-			1.3
% OF OBS WITH OBST TO VISION	41.3	37.3	36.7	42.7	31.3	26.0	24.7	38.7			34. 8
DUST AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE	24.7	19.3	17.3	33.3	24.7	20.7	16.0	24.7			23.4
50	18.7	22.7	22.7	10.7	0.0	7.3	8.7	14.7			1.4.3
% OF OBS WITH PRECIP.	12.0	14.7	12.0	12.7	14.0	12.7	12.7	13.3			0 61
HAIL											
SNOW AND/OR SLEET											
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	12.0	14.7	12.0	12.7	14.0	12.7	12.7	13.3			13.0
THUNDER. STORMS			۲.		۲.	1.3	1.3				
HOURS (L.S.T.)	00	03	90	60	12	15	18	21			
MONTH	SEP										TOTALS

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IMAKUNI, JAPAN

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

				T						
NO. OF OBS.	155	155	155	155	155	155	155	155		1240
% OF OBS WITH OBST TO VISION	34.8	36.1	35,5	31.6	31.0	24.5	27.1	32,3		31.6
DUST AND/OR SAND										
BLOWING										
SMOKE AND/OR HAZE	18.1	13.5	11.6	18.7	22.6	18.1	18.7	21.3		17.8
509	18.7	24.5	27.1	14.8	4.8	6.3	4.4	12.3		15.3 17.8
% OF OBS WITH PRECIP.	11.0	12.3	14.2	12.3	11.6	9.7	7.7	0.6		11.0
HAIL										
SNOW AND/OR SLEET										
FREEZING RAIN &/OR DRIZZLE										
RAIN AND/OR I	11.0	12.3	14.2	12.3	11.6	9.7	7.7	9.0		11.0
THUNDER. STORMS								•		7:
HOURS (L.S.T.)	00	03	90	60	12	15	18	21		
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IMAKUNI, JAPAN 43324 STATION

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NON

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	150	150	150	150	150	150	150	150		1200
% OF OBS WITH OBST TO VISION	20.02	14.7	16.0	17,3	20.7	14.0	21.3	22.0		18.3
DUST AND/OR SAND					.,					
BLOWING										
SMOKE AND/OR HAZE	9.3	3.3	5.3	10.0	14.0	8.0	12.0	13.3		4.6
Pog	11.3	11.3	10.7	7.3	6.0	5.3	9.3	10.0		8
% OF OBS WITH PRECIP.	10.0	8.0	6.7	7.3	6.7	10.0	6.7	8.7		0.8
HAIL										
SNOW AND/OR SLEET										-
FREEZING RAIN &/OR DRIZZLE										
RAIN AND/OR DRIZZLE	10.0	0.	6.7	7.3	6.7	9.3	6.7	8.7		7.9
THUNDER- STORMS								۲.		13
HOURS (L.S.T.)	00	03	90	60	12	15	18	2.1		
MONTH	>QN		40							TOTALS

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43324 STATION

IMAKUMI, JAPAN

73-77

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTAL NO. OF OBS.	155	155	155	155	155	155	155	155			1240
% OF OBS WITH OBST TO VISION	15.5	11.6	11.6	19.4	20.0	14.2	13.5	18.1			15,5
DUST AND/OR SAND											
BLOWING											
SMOKE AND/OR HAZE	5.8	3.2	2.6	6.1	12.9	4.8	7.1	7.1			7.1
8	10.3	0.6	9.0	11.0	7.1	8.8	7.1	11.6			8.9
% OF OBS WITH PRECIP.	7.1	9.6	12.3	7.7	7.1	11.0	7.7	5.8			9.6
HAIL											
SNOW AND/OR SLEET	1.9	•.	3.2	1.9	•	3.9	•	•.			1.7
FREEZING RAIN &/OR DRIZZLE											
RAIN AND/OR DRIZZLE	5.2	7.7	0.6	6.9	6.9	7.1	7.1	5.2			6.8
THUNDER- STORMS											
HOURS (L.S.T.)	00	03	90	60	12	15	1.8	2.1			
МОМТН	DEC										TOTALS

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IMAKUNIS JAPAN

73-77

EARS

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS.

TOTAL NO. OF OBS.	1240	1128	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14608
% OF OBS WITH OBST TO VISION	13,1	59.4	31.9	44.9	38,1	61,3	50.6	37.5	34.8	31.6	18,3	15.5	33.9
DUST AND/OR SAND											.2		0.
BLOWING													
SMOKE AND/OR HAZE	7.3	15.7	19.0	22.8	18.7	34.4	32.6	28.2	22.6	17.8	4.6	7.1	19.6
FOG	0.9	14.1	14.3	23.2	20.7	28.5	20.1	11.0	14.2	15.3	8.0	8.9	15.4
% OF OBS WITH PRECIP.	6.6	13.5	11.0	17.7	14.7	18.4	4.6	7.7	13.0	11.0	8.0	4.	11.9
HAIL				٠.									0.
SNOW AND/OR SLEET	2.8	2.6	ž.								-:	1.7	9.
FREEZING RAIN &/OR DRIZZLE													
RAIN AND/OR DRIZZLE	7.2	11.2	10.6	17.7	14.7	18.4	4.6	7.7	13.0	11.0	7.9	6.8	11.3
THUNDER- STORMS				-:	.2	4.		4.	s.		-		.2
HOURS (L.S.T.)	ALL												
МОМТН	JAN	FEB	MAR	APR	MAY	NOS	JUL	AUG	SEP	100	VON	DEC	TOTALS

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WEATHER CONDITIONS ATMOSPHERIC PHENDMENA

IMAKUNI, JAPAN

43324 STATION

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54-77

YEARS

ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

TOTAL NO. OF OBS.	109	650	713	9	713	690	713	713	675	744	720	744	8474
% OF OBS WITH OBST TO VISION	45.3	56.8	64.2	77.8	19.4	88.6	80.8	1.47	70.7	55.2	55.4	48.0	9.99
DUST AND/OR SAND		•2	.3	.3									1.
BLOWING	.1												0
SMOKE AND/OR HAZE	36.5	45.5	53.0	65.8	66.1	75.2	65.4	9.80	58.8	44.8	46.7	43.1	55.8
FOG	24.7	34.3	37.9	49.0	53.3	39.4	51.5	38.6	43.8	33.5	30.4	23.3	40.1
% OF OBS WITH PRECIP.	55.7	56.0	51.1	51.0	48.9	51.4	51.2	41.2	50.5	37.0	38.6	45.3	48.2
HAIL			-:		7.	7.				-:			7
SNOW AND/OR SLEET	25.0	20.5	7.2	e.						-:	2.5	10.5	5.5
FREEZING RAIN &/OR DRIZZLE		.2											C
RAIN I	37.2	41.8	4.7.4	31.0	6.0	51.4	51.2	41.2	50.5	36.8	37.8	39.9	44.6
THUNDER- STORMS	4.		2.0	2.3	2.5	4	11.1	0.6	4.0	1.7	1.3	*	3.3
HOURS (L.S.T.)	DAILY												
МОМТН	NAC	FEB	MAR	APR	MAY	NO.	JOL	AUG	SEP	100	NON	DEC	TOTALS

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IMAKUNI, JAPAN 43324 STATION

JAN 1973 - DEC 1977

JANUARY

ALL HOURS (L.S.T.)

NO	67.7	79.7	82.8	76.5	72.4	0.86	100,0	92.3	66.7	87.5	88.9	6.06	87.1	83.8	77.4	71.1		TY.	1009	8
BLOWING SAND AND DUST																		X		
BLOWING																		X		
SMOKE	4.8	6.8	10.3	17.6	24.1			7.7	16.7			1.5	2,5	5,7	14.3	15.6		No.	6.0	7.2
ICE FOG GROUND FOG	6.9	4.1	3.4								5.6			4.4	2.3			X	28	2.3
50	8.1	4.1							16.7			1.5	1.8	5.4		6.7		T.	44	3.1
THUNDER																				
HAIL SMALL HAIL																		X		
SNOW " GRAINS " PELLETS " SHOWERS	1.6			5.0	4						3.6		3.4	3.6	3.8	4.4		X	34	2.1
SLEET " SHOWERS ICE CRYSTALS																		X		
FREEZING RAIN FREEZING DRIZZLE																		X		
DRIZZLE													*.					X	1	1.
RAIN	4.8	2.7		5.9		0.0				12.5		6.1	2.2	1.7				X	2.8	2.0
RAIN	24.2	10.8	6.9						8.3				1.8	3.0	3.0	6.7		TY A	63	3.1
WIND	z	NNE	NE	ENE	3	ESE	SE	SSE	s	SSW	NS SW	WSW	W	WNW	MZ	NNN	VARIABLE	CALM	TOTAL	% TOTAL

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TOTAL NUMBER OF OBSERVATIONS

1,239

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IMAKUNI, JAPAN

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JAN 1973 - DEC 1977

FEBRUARY

NO	57.8	61.7	69.2	66.7	66.7	78.9	68.4	80.0	0.49	58.3	66.7	75.0	78.6	10.9	66.7	0.99		\$ 12°	750	66.5
BLOWING SAND AND DUST																		M		
BLOWING																		\bigvee		
SMOKE	15.6	7.4	5,1	20.0	29.6	21.1	31.6	12,0	20.0	25.0	27,8	4.6	7,1	15.4	22.2	17.0		97	175	15.5
ICE FOG GROUND FOG	4.4	3.7	2.6					4.0	0.4			4.6	3.8	3.1	3.0	4.6		7	30	4.4
F0G	13.3	25.2	17.9	13.3	3.7				12.0	16.7	9.6	6.9	4.3	4.7	7.1	3.8		2	109	4.1
THUNDER																		M		
HAIL SMALL HAIL																		M		
SNOW GRAINS PELLETS SHOWERS	4.4												3.2	3.9	1.0	1.9		2	5	2.6
SLEET " SHOWERS ICE CRYSTALS																		M		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE																		\bigvee		
RAIN	4.4		2.6	6.7									1.9	1.6	2.0	1.9		7	8	1.6
RAIN	22.2	28.4	20.5	13.3	3.7			0.4	16.0		5.6	3.1	4 . 8	2.8	8.1	5.7		7	109	4.4
WIND	z	NN	NE	ENE	3	ESE	SE	SSE	S	MSS	MS	MSM	*	MNM	MN	MNN	VARIABLE	CALM	TOTAL	% TOTAL

(4.2)

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TOTAL NUMBER OF OBSERVATIONS

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E 89 NAL STEES, WIND DIR, VS WEATHER

54.4

WEATHER

BLOWING SAND AND DUST

BLOWING SNOW

SMOKE HAZE

ICE FOG GROUND FOG

FOG

THUNDER

HAIL SMALL HAIL

SNOW GRAINS PELLETS SHOWERS

SLEET
" SHOWERS
ICE
CRYSTALS

FREEZING RAIN FREEZING DRIZZLE

DRIZZLE

RAIN

RAIN

WIND

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3.2

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TOTAL %

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

JAN 1973 - DEC 1977 INAKUNI, JAPAN 43324 STATION

MARCH

ALL HOURS (L.S.T.)

TOTAL NUMBER OF OBSERVATIONS

1

NAVWEASERVCOM

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ALL APRIL JAN 1973 - DEC 1977 IMAKUNI, JAPAN

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1,200

WEATHER	44.2	40.4	50.8	18.8	58.8	55.3	56.3	56.7	55.2	48.3	53.8	90.6	73.6	56.5	61.1	68.4		X	632	52.7
BLOWING SAND AND DUST																		X		
BLOWING																		\bigvee		
SMOKE	9.6	18.2	25.4	40.0	32.4	36.2	31.3	25.8	18.4	17.2	19,2	6.3	17.0	22.6	25.2	15,8			268	22.3
ICE FOG GROUND FOG	7.7	5.2	1.7	3.1	1.5	4.3	4.2	3.0	6.9	3.4	3.3		4.7	11.3	6.6			- T	80	6.7
50	38.3	22.1	22.0	31.3	7.4	.3	8.3	4.5	13.8	24.1	11.5	2.1	4.7	8.7	4.2	15.8		**************************************	199	16.6
THUNDER							2.1												1	-1.
HAIL SMALL HAIL							2.1											X	-	-
SNOW GRAINS PELLETS SHOWERS																				
SLEET " SHOWERS ICE CRYSTALS																		X		
FREEZING RAIN FREEZING DRIZZLE					.,													X		
DRIZZLE		1.3			4				1.1									X	9	.5
RAIN	7.7	2.6	1.7	6.3	1.5	4.3	2.1		8.0	6.9	7.7	2.1	2.8	3.5	2.8			X	04	503
RAIN	28.8	24.7	20.3	25.0	4.4	4.0	2.1	3.0	10.3	17.2	11.5	2.1	5.7	8.7	3.6	10.5		T.	166	60
WIND	z	NNE	NE	ENE	8	ESE	SE	SSE	s	SSW	SW	wsw	*	WNW	WN	NNN	VARIABLE	CALM	TOTAL	% TOTAL

1002

TOTAL NUMBER OF OBSERVATIONS

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NAVWEASERVCOM

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IWAKUNI, JAPAN STATION

JAN 1973 - DEC 1977

ALL HOURS (L.S.T.) MAY

NO	51.9	36.6	48.0	64.7	52.1	59.2	76.6	66.7	61.9	0.09	77.8	71.4	71.3	76.1	71.3	70.7		S.	737	59.4
SAND AND DUST																		\bigvee		
BLOWING																		\bigvee		
SMOKE	13.5	4.9	20.0	11.8	31.3	29.6	17.2	24.0	18.6	13.3	18.5	17.9	11.3	12.0	7.05	17.1		NA.	230	18.5
GROUND FOG	3.8	2.6	2.0				1.6	2.7	10.3	6.7			80	7.7	5.1	4.9		\$ X	11	5.7
50	26.9	28.9	26.0	23.5	10.4	6.6	6.3	0.4	4.1	10.0	7.4	7.1	6.0	3.4	6.9	12.2		V	189	14.9
THUNDER									1.0	3.3								\bigvee	80	2.
HAIL SMALL HAIL																		M		
SNOW "GRAINS "PELLETS "SHOWERS																		M		
SLEET " SHOWERS ICE CRYSTALS																		M		
FREEZING RAIN FREEZING DRIZZLE																		M		
DRIZZLE		1.3	2.0							3.3								M	40	.2
RAIN	1.9	2.6	4.0		2.1	1.4	1.6	4.0	6.2		3.7	3.6	5.5	1.7				X	90	4.2
RAIN	23.1	27.6	20.0	11.9	10.4	8.5	1.6	2.7	11.3	20.0	3.7	3.6	2.0	4.3	3.7	7.3		Z A	149	12.0
WIND	z	NNN	Ä	ENE	W	ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	××	MNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,240

IWAKUNIS JAPAN

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JAN 1973 - DEC 1977

LUNE

NO	22.6	20.0	25.6	33.3	24.6	42.1	45.7	44.6	47.3	76.2	619	41.4	55.1	51.1	40.3	31.3		1	450	37.5
BLOWING SAND AND DUST																		\bigvee		
BLOWING																		\bigvee		
SMOKE	25.8	20.0	34.9	43.8	57.9	52,6	43,3	46.7	32.3	9.8	23.6	24.1	24.4	32.8	43.1	90.0		9446	411	34.3
ICE FOG GROUND FOG	4.4	1.8	6.3	4.2	1.8		1.7	2.2	4.3	4.8	9.9	13.8	0.6	10.2	6.9	12.5		V A	102	8.0
50	45.2	54.5	34.9	18.8	14.0	5.3	8.3	6.3	12.9		8.4	13.8	10.3	8	11.1	12.5		7	240	20.0
THUNDER		9							1:1									X	•	*
HAIL SMALL HAIL																		X		
SNOW "GRAINS "PELLETS "SHOWERS																		X		
SLEET " SHOWERS ICE CRYSTALS																		X		
FREEZING RAIN FREEZING DRIZZLE																		X		
DRIZZLE							1.7	1.1	1.1							6.3		X	8	
RAIN	6.3	3.6	2.3	4.2	1.8		1.7	1.1	3.2	4.8	4.8	10.3	4.9					V V	•	3.3
RAIN	32.3	54.5	27.9	12.5	8	20	1.7	2.2	16.1	9.8	4.8	6.0	5.1	3.6	773 CO	6.3			173	14.4
WIND	z	NNR	Ä	ENE	W	ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	WN	NNN	VARIABLE	CALM	TOTAL	% TOTAL

NAVWEASERVCOM

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1,200

TOTAL NUMBER OF OBSERVATIONS

0

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

JULY JAN 1973 - DEC 1977 IMAKUNIS JAPAN 43324 STATION

O Z	WEATHER	46.7	15.0	48.8	50.0	42.1	43.7	43.3	53.9	68.3	75.5	72.7	66.7	52.9	45.4	29.1	47.1		22	584	47.1
SAND	DUST																		\bigvee		
BLOWING	NONS																		\bigvee		
SMOKE	HAZE	13.3	0.04	34.1	25.0	50.0	47.9	46.7	40.0	22.0	17.0	22,7	16.7	30.0	39.8	41.9	35,3			403	32.5
GROUND	FOG	20.0	17.5	5.4	3.6	1.8	2.6	3.3	1.7	4.9	3.8			2.1	13.9	14.5	8.9			118	0
505		13.3	25.0	14.6	21.4	7.0	8·8	7.8	2.6	5.4	1.9			8.6	3.7	16.4	17.6			131	4.0.
THUNDER		6.7					7.4		1.7	œ.	1.9			1.4					6 2	10	4
HAIL	HAIL																		M		
GRAINS	" SHOWERS																		M		
SLEET " SHOWERS ICE	STALS																		\bigvee		
FREEZING RAIN FREEZING	DRIZZLE																		\bigvee		
DRIZZLE																			X	6	6.
RAIN	SHOWERS	13.3	25.0		3.0	3.5		2.2	3.5	6.9	3.8	9.1	16.7	4.3	1.9	8.5			V	99	6
RAIN		20.0	3.0	12.2	7.1		1.4	2.2	1.1	4.1	1.9			2.9			62		X	8	4.0
WIND	DIRECTION	z	NNE	N.	ENE	W	ESE	SE	SSE	s	SSW	SW	WSW	*	MNM	MN	MNN	VARIABLE	CALM	TOTAL	# TOTAL

TOTAL NUMBER OF OBSERVATIONS

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NAVWEASERVCOM

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AUGUST JAN 1973 - DEC 1977 IMAKUNIA JAPAN

WEATHER	41.9	57.7	6.69	63.0	58.7	66.7	61.6	65.9	82.2	85.3	92.3	72.0	65.5	50.3	47.1	31.6		**	749	4.09
SAND SAND AND DUST																		M		
BLOWING																		\bigvee		
SMOKE	29.0	32.4	16.4	33.3	36.5	30.0	37.0	32.4	14.4	5.9	7.7	20.0	29.2	33.6	39.4	31.6		7	348	28.1
ICE FOG GROUND FOG	4.6	2.8		3.7	1.6		1.6	1.9		2.9		0.4	1.4	1001	13.5	5.3		2	53	4.3
500	16.1	8.5	12.3					1.0	1.1	5.9		0.8	2.8	7.4	6.7	31.6		X	60	6.7
THUNDER	3.2									5.9			4.2			5.3		X	30	9.
HAIL SMALL HAIL																		M		
SNOW GRAINS PELLETS SHOWERS																		\bigvee		
SLEET " SHOWERS ICE CRYSTALS																		\bigvee		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE														•				X	9	
RAIN	6.5	1.4	2.7		3.2			2.9	4.4	2.9		0.4	5.6	3.4	5.9	5.3		V V	43	3.5
N N	19.4	8	6.8	3.7	3.2	23				2.9		0.4	1.4	2.7	1.0	15.8		V C	94	3.7
WIND	z	NNN	N.	ENE	B	ESE	SE	SSE	s	SSW	NS.	WSW	3	MNM	WN	MNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,240

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IMAKUMI, JAPAN

ALL HOURS (L.S.T.)

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SEPTEMBER JAN 1973 - DEC 1977

NO	52.8	52.0	62.7	74.3	54.8	75.6	73.3	71.6	76.8	81.5	78.6	71.4	64.7	66.7	4.09	51.4		TX.	745	62.1
SAND SAND AND DUST																		\bigvee		
BLOWING																		\bigvee		
SMOKE	18.9	18.6	14.9	11.4	45,2	20,0	26.7	55.4	15.9	11:1	14.3	14,3	1 . 22	24.2	25.9	13.5		N N	267	22.3
ICE FOG GROUND FOG	7.5	8.8	4.5		2.4			1.5	1.2				7.4	8.1	4.3	2.7		X	63	5.3
50	22.6	17.6	10.4		2.4	4.4		1.5	3.7			7.1	1.5	2.5	6.4	27.0		777	107	8.9
THUNDER		1.0								3.7			1.5					X	•	
HAIL SMALL HAIL																		M		
SNOW " GRAINS " PELLETS " SHOWERS																		M		
SLEET " SHOWERS ICE CRYSTALS																		M		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE													5.9	. 5				X	S	4.
RAIN	4.6	13.7	13.4	11.4	7.1	2.2		1.5	2.4	3.7	7.1	7.1	4.4	1.5	3.6	2.7		X	*	5.5
N N	6 9	12.7	10.4	2.9		2.2		3.0	3.7			7.1	6 . 3	2.0	4.3	24.3		7	78	6.5
WIND	z	NNE	N.	ENE	W	ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	N.W.	WNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

1,200

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ALL HOURS (L.S.T.) OCTOBER MONTH JAN 1973 - DEC 1977 INAKUNI, JAPAN STATION NAME STATION

NO	57.5	76.5	70.9	68.4	84.8	57.1	64.3	74.2	77.8	84.6	100.0	78.6	68.1	10.8	72.4	49.0		7	826	9.99
SAND SAND AND DUST																		\bigvee		
BLOWING																		\bigvee		
SMOKE	9.6	7.0	11.6	26,3	6.1	39,3	32.1	22.6	18.5	15,4		7,1	15,5	17.7	9.2	15.7		7447	210	16.9
ICE FOG GROUND FOG	5.5	1.7	4.7									3.6	9.5	80	9.9	7.8		1	72	5.8
50	23.3	11.3	8,1	2.6		3.6	3.6	3.2	3.7			7.1	5.2	3.5	11.0	29.4		X	117	4.6
THUNDER	1.4																	$\langle \rangle$	1	
HAIL SMALL HAIL																		X		
GRAINS GRAINS PELLETS SHOWERS										200										
SLEET " SHOWERS ICE CRYSTALS																		X		
FREEZING RAIN FREEZING DRIZZLE																		\bigvee		
DRIZZLE			1.2															X	1	
RAIN	2.7	3.5	2.3						7.4			3.6	5.6	1.2	1.3	2.0		X	29	2.0
N N	24.7	11.3	15.1	10.5	3.0			6.9				10.7	5.2	2.3	6.9	29.4		X	110	8
WIND	z	NNE	N.	ENE	W	ESE	SE	SSE	s	SSW	SW	WSW	*	WNW	*×	NNN	VARIABLE	CALM	TOTAL	% TOTAL

T

TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

STATE FREG. WIND DIR. VS WEATHER

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

ZZTT

IMAKUNI. JAPAN 43324 STATION

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JAN 1973 - DEC 1977

NOVEMBER

NO	68.	86.	96.	82.	81.3	10.	84.0	80.0	85	93	88	87.	81.	80.	81.	81.
BLOWING SAND AND DUST											6.8	1.7				
BLOWING																
SMOKE	3,3	5,3	3.4	8,7	15,6	29.4	15,4	20.0	6.5	6,7	5,9	304	7,6	6.6	7.8	4.1
ICE FOG GROUND FOG	4.9	1.1											1.9	3.4	6.9	4.1
F0G	16.4	6.3	8.6	8.7					6.9			1.7	4.4	4.4	100	8.2
THUNDER																2.0
HAIL SMALL HAIL																
SNOW "GRAINS "PELLETS "SHOWERS													6.			
SLEET " SHOWERS ICE CRYSTALS																
FREEZING RAIN FREEZING DRIZZLE																
DRIZZLE	1.6				3.1									. 3		
RAIN	1.6	1.1	1.7									6.9	4.4	1.4	2.6	4.1
RAIN	21.3	5.3	8.6	13.0									4.4	4.4	2.6	4.1
WIND	z	NNE	NE	ENE	3	ESE	SE	SSE	s	MSS	MS	MSM	M	MNM	MN	MNN

0

0

0

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TOTAL NUMBER OF OBSERVATIONS

1,200

951

107

2.8

74

2.3

5.3

TOTAL % TOTAL

0

0

0

0

VARIABLE

0

22

No.

N.

0

3

3

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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NAVWEASERVCOM

THUNDER

HAIL SMALL HAIL

SNOW GRAINS PELLETS SHOWERS

SLEET
" SHOWERS
!CE
CRYSTALS

FREEZING RAIN FREEZING DRIZZLE

DRIZZLE

RAIN

RAIN

DIRECTION

WIND

0

11.4 20.6

z

NNE

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

IMAKUNI, JAPAN 43324 STATION

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JAN 1973 - DEC 1977

DECEMBER

ALL HOURS (L.S.T.)

5

NO	71.4	73.0	78.1	86.7	86.2	90.5	72.7	85.7	92.3	63.3	1.46	93.0	87.9	85.6	74.6	71.1	**************************************	1005	81.1
SAND SAND AND DUST														-2			X		
BLOWING																	X		
SMOKE	8.6	9.5	12.5	13,3	6.9	4.8	27.3	14.3	7.7	5.6		1.2	2,5	5.9	10.8	2.2	7.40	82	9.9
GROUND FOG	2.9	6.3	3.1								5.9		1.3	3.3	6.9	6.7	× 4.0	37	3.0
505	17.1	9.5	6.3		6.9	4.8							1.3	3.6	6.9	8.9	XX.	73	5.0

TOTAL NUMBER OF OBSERVATIONS

6

57

23

6.9

TOTAL % TOTAL

0

3

XXXX

2 2 3 8 6 7 9 6 7

4.7 3.8 . 80 4.4

WSW

SW

0

1.6

WN

0

6.7

NNN

VARIABLE

0

CALM

.3

3

3.6

SSW

S

1,239

6.0

NAVWEASERVCOM

ALL	HOURS (L.S.T.)
ALL	HINOM
JAN 1973 - DEC 1977	YEARS
JAPAN	STATION NAME
IMAKUMI	
43324	STATION

NO	6 K 2	3000	61.7	63.3	58.1	57.8	61.7	62.4	63.9	66.3	72.0	78.1	81.6	76.7	72.2	66.3	62.8			9249	63.3
SAND												5.	. 2						\bigvee	~	0.
BLOWING																			\bigvee		
SMOKE	19.3		13.8	1691	25,6	33,9	32,5	31.3	29.8	2002	15.1	13.2	8 . 4	11.1	16.3	20.0	15,6			2817	19,3
GROUND	,	1	4.4	2.8	1.5	1.1	1.2	1.8	2.0	4.2	2.5	2.6	1.9	3.7	9.0	6.5	5.0		V A	753	2.5
509		0177	17.2	14.7	12.0	5.3	3.6	4.7	3.0	4.0	3.4	3.1		3.7	4.2	6.9	14.0		2.7	1495	10.2
THUNDER	*		.2				. 2	.2		*.	1.4				-:	-:	••		X	35	2.
HAIL	HAIL							~											M	-	0
SNOW GRAINS PELLETS	anous a											3.	7.	2.4	•		1.6		X	06	•
	CRYSTALS	. 6																	\bigvee		0.
	DRIZZLE																		\bigvee		
DRIZZLE	6	3.	.2			. 2		.2		. 3				. 2			. 2		X	40	. 3
RAIN	. 4	* . 5	4.0	3.3	3.3	1.9	1.0		-	4.6	3.9	3.9	5.2	3.3	1.6	1.8	2.5		V	428	5.9
N N	-		17.9	14.1	6.6	4.2	3.5	1.0	2.1	7.1	6.1	3.1	2.3	3.4	5.9	4.7	11.2		V	1176	8.1
WIND	1	2	NNE	M.	ENE	W	ESE	SE	SSE	s	SSW	NS.	WSW	*	WNW	*Z	MNN	VARIABLE	CALM	TOTAL	% TOTAL

TOTAL NUMBER OF OBSERVATIONS

14,606

NAVWEASERVCOM

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PART B P

PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

SNOWFALL*
SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

- The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual sum of monthly mean amounts). and the extreme monthly amounts (greatest and least). The may be misleading.
- each month and annual (all months). The extremes for a month are not printed nor used in computations if The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for one or more observations are missing. d

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated The periods and hours used in the snow depth summary vary by service and period as follows: stations.

ons From beginning of record thru 1945 Snow depth at 0800 LST Jan 46-May 57 Snow depth at 1230 GCT Jun 57-present	Weather From beginning of record thru Jun 52 Snow depth at 0030 GCT	T. 1 CO Mare 67
Air Force Stations	U. S. Navy and Weather	Bingail Stations

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

DAILY AMOUNTS

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PERCENTAGE FREQUENCY OF PRECIPITATION (FROM DAILY OBSERVATIONS)

IMAKUNIS JAPAN

54-77

YEAR

						AMC	AMOUNTS (INCHES)	CHES						TURNE		NOW	MONTHLY AMOUNTS	STND
PRECIP.	NON	TRACE	6.	.0205	0190.	.1125	2650	.51.1.00	1.01-2.50	2.51-5.00	9.01.10.00		OVER 20.00	10.01-20.00 OVER 20.00 OF DAYS	NO.		(INCHES)	
SNOWFALL	NON	TRACE	₽.0-1.0	₽.1.2.0	1.5.2.4	2.5.3.4	3.5.4.4	4.5.6.4	4.5.10.4	10.5-15.4	15.5.25.4	25.5-50.4	OVER 50.4	MEASUR-	9 o	3	100	5
SNOW. DEPTH	NON	TRACE	-	2	•	4.6	7.12	13.24	25.36	37.48	49.60	61-120	OVER 120	AMTS			0.00	
NAL	43.5	29.5	3,5	9.9	2.5	5.6	3.7	3.5	1.9					27,3	682	2.46	5.32	.18
2	**.0	25.4	1:1	6.6	3.8	7.2	5.2	4.6	2.0					30,6	650	2.78	69.9	**
MAR	48.9	17.0	1.8	4.9	3.2	7:7	5.8	6.7	3.6	. 3				34,1	713		4.3211.51	.52
APR	49.0	0.4	1.7	5.4	3.2	7.2	6.1	7.8	8.8	1,3				41.6	690		8.0613.94	2.20
MAY	51.1	8.4	1:4	5.2	5.0	4.9	8.6	8.4	6.3	••	.1			40.5	713		6.9414.75	2.14
ş	48.6	6.6	1:4	5.1	3.6	5.7	7.5	6.8	8.0	2.9	••			41.6	9	10.75	69010.7520.50	3.05
THY .	48.7	10.9	1:4	9.9	4.5	6.2	9.0	5.9	6.9	2.5				+0+	713		9.0722.56	1.62
AUG	98.8	11.1	2.8	4.6	3.2	5.6	5.0	3.9	3.1	1.5				30.2	713	1	5.3012.28	.13
SEP	48.9	13,2	1.6	6.0	3.3	7.9	5.6	4.9	6.7	1.4				37,9	630	1	6.7015.44	.15
500	63.2	9.6	1.9	3.5	3.6	5.2	*		3.8		.1			56.9	744	4.13	9.60	. 98
NO N	61.4	12.5	2.6	7.1	1.9	3.5	3.8	3.8	3.5				74	26,1	720	3.00	6.82	.10
DEC	54.7	22,3	3.4	5.9	2.6	4,2	2.8	3.4						23.0	744	1.73	4.27	.18
ANNUAL	51.7	51.7 14.9	5.0	5.7	3.4	5.9	5.4	5.3	4.6	6.	1.			33,3	8402	840265.24	X	X

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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL (FROM DAILY OBSERVATIONS)

IMAKUNIS JAPAN

54-77

11

						AMC	AMOUNTS (INCHES)	(CHES)						PERCENT		MOM	MONTHLY AMOUNTS	UNTS
PRECIP.	NON	TACE	5	.0205	0190.	.1125	2650	.51.1.00	1.01.2.50	2.51-5.00	2.51-5.00 5.01-10.00	10.01-20.00	OVER 20.00	10.01-20.00 OVER 20.00 OF DAYS	NO.		(INCHES)	
SNOWFALL	NON	TRACE	0.1.0.4	0.5-1.4	1.5.2.4	2.5.3.4	3.5.4.4	4.5.6.4	6.5.10.4	10.5-15.4	10.5.15.4 15.5.25.4		25.5-50.4 OVER 50.4	<	0 0 8.	74 5 1	7984 7867	25.481
SNOW. DEPTH	NON	TRACE	-	2	9	4.6	7.12	13.24	25.36	37.48	49.60	61-120	OVER 120	AMTS				
NA.	74.0	74.8 19.6	3:7		•		.:							9.6	682	1.3	5.6	. 9
47.	79.5	17.5	6.	1.1		.2			.3					2,9	650	1.4	11. STRACE	FRACE
MAR	93.0	5.9		4.		4								1,1	713	.3	3,2	•
APR	99.7														690	690TRACETRACE	FRACE	.0
MAY	100.0														713	0.	0.	
ž	100.0														690	0.	0.	.0
ını	100.0														713	0.	0.	.0
AUG	100.0														713	0.	0.	0.
25	100.0														960	•	0.	.0
00	100.0														744	•	0.	• 0
ò	97.5	2.4	:											1.	720	720TRACE		0.
DEC	89.5	9.7													744	.1	1.1	.0
ANNUAL	ANNUAL 94.5	4.6	10	.2	7	0.			0.					6.	8432	3.1	X	X

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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH (FROM DAILY OBSERVATIONS)

IWAKUNIS JAPAN

54-77

UNTS		19491														X
MONTHLY AMOUNTS	(INCHES)	Catarect														X
MON		74 4 7														
	NO.	0 0 S		620	650	713	9	713	980	713	713	960	744	720	744	8370
PERCENT	OF DAYS	MEASUR-	AMTS			*									• 1	•
	OVER 20.00	OVER 50.4	OVER 120													
	0.01-20.00	25.5-50.4	61.120													
	2.51-5.00 5.01-10.00 10.01-20.00 OVER 20.00 OF DAYS	15.5.25.4	49.60													
	2.51.5.00	10.5-15.4	37.48													
	1.01.2.50	6.5.10.4	25.36													
(HES)	51.1.00	4.5.6.4	13.24													
AMOUNTS (INCHES)	2650	3.5.4.4	7.12													.0
AMOI	.1125	2.5.3.4 3	4.0													
	0090	1.5.2.4	9													
	.0205	0.5-1.4	2		.2	• 1										0
	6.	0.1-0.4	-												.:	
	TACE	TRACE	TRACE	2,3	2.0										1,1	5
	NON	NON	NONE	97.3	97.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	9.96	4.00
	PRÉCIP.	SNOWFALL	SNOW.	NAL	5	MAR	APR 10	MAY 30	NOT	10r	AUG 10	SEP 10	OCT 10	NOV 1	DEC	ANNUAL 99.4

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EXTREME VALUES

FROM DALLY OBSERVATIONS

24 HOUR AMOUNTS IN INCHES

34-77

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WEAR	JAN.	5	MAR.	APR.	MAY	JON.	JUL.	AUG.	SEP.	OCT.	NOV	DEC.	MONTHS
35			:				100		:	. 78	1.28	1.70	4
6	. 31	1.54	100		•	200	0,07	010	30.1	0000	200		00.0
20	7.00		7.04	0	-	200		0000	200		*		
37	.70		06.	2.93	2.16	5 4 5	3.43	1.02	2.81	1,02	26.	- 82	5.45
58	1.32		1.45	61.3	1.81	1.24	4.56	3.70	. 58	1.13	1.1	94.	4.56
89	1.93	1.28	1.02	2.40	1.74	2.32	3.72	1.73	1.93	1.30	1.20	1.36	3,72
00	1.00		.85	2.48	1.70	4.30	6.43	1.00	2.00	1.35	1001	. 59	6.43
5	.73	1.39	08.	1.63	1.45	3.89	3.73	2.84	1.74	2.44	1001	.87	3.73
20	.85		240	3.12	1.89	3.84	3.47	3.32	1.45	3,06	2.27	1.00	3.84
63	.31	.54	1.14	1.14	3.59	2.57	66.	5.40	4.16	1.67	1.11	. 18	5.40
90	1.08		2.26	1.64	. 16	4.42	2.00	3.75	1.20	1.22	1.04	1.30	4.42
6.5	1.07	94.	. 98	1.42	6.23	7.82	3.12	3.58	2.45	2.18	1.52	1.14	7.82
99	1.23		2.77	1.79	2.38	3.31	2.56	. 30	3.39	1.18	1.48		3.39
67	1.97	N	1.28	2.26	1.22	2.01	5.41	.07	.12	3.06	1,45	01.	5.41
99			1.56	.71		2.42	3.49	*8.	3.98	1201	260	. 36	3.98
69	1.25	1.28	. 39	1.51	1.16	3.67	96.4	. 93	1.08	66.	1.16	99.	4.98
10	-		14.		1.62	5.30	1.76	3.53		.93	1.02	. 58	
7	.85	. 59	1.08		3.68	1.44	2.94	1.50		. 89	• 05	.68	
21			1.08	2.53	2.77	3.33	3.00	2009	2.10	11.	1697	. 39	
73	2.35	1.00		3.14	2.80	5.48	1.02		1.80	1,32		• 18	5.48
14				1.49	1.23	3.52	5.49		2.40	1.43		.82	
75	1.07		1 . 39	2.12	1.06	3.87	5.09		2.00	2,01	1.17	99.	3.87
16		2.38		2.68		1.18	1.17			1.55		1001	
11	.18		1.56	2.72	1.05	3.61	16.	2.79	.78	*8	1047	0	3.61
MEAN	1.06	1.02	1111	2.09	1.99	3.53	3.08	2,42	2.09	1.75	1.28	.76	4.86
S. D.	.964	.574	50		1.242	1.544	1.484	10	1.050	1.255	+94.	.395	1.219
TOTAL OBS.	682	650	71.3	069	713	069	713	713	630	144	720	744	8402

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NAVWEASERVCOM

INAKUNIS JAPAN

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EXTREME VALUES

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FROM DALY OBSERVATIONS

ZA HOUR AMOUNTS IN INCHES /BASED ON LESS THAN FULL MONTHS/

54-77

IWAKUNI, JAPAN

YEAR	54	10	16							MEAN	S. D.
JAN.		27									
MAR.											
APR.											
MAY											
JUN.											
JUL.											
AUG.											
SEP.	3.26		1.87								
OCT.											
NOV											
DEC.											
MONTHS	PRECIP	DAECIP	PRECIP								

NAVWEASERVCOM

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EXTREME VALUES

SNOWFALL
FROM DAILY OBSERVATIONS

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0.5

54-77

I WAKUNIS JAPAN

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24 HOUR AMOUNTS IN INCHES

MONTH	JAN.	£	MAR.	APR.	MAY	JON.	JUL.	AUG.	SEP.	OCT.	NOV	DEC.	MONTHS
				1						0.	0	TRACE	
55	1.3	1.0	0	•	•	0.	•	•	•	•	•	TRACE	1.3
9	•			0.	•	0	0.	0.	0.	0.	TRACE	TRACE	8.5
11	TRACE	TRACE	TRACE	0	0.	0.	0.	•	0.	0.	•	TRACE	TRACE
8		d	1:0	0.	0	0	0.	0.	0.	0.	0.	0.	1.0
6	TRACE	TRACE	TRACE	0	0	0	0.	0	•	0.	•	TRACE	TRACE
00		TRACE	TRACE	0.	0	0	0.	0.	0.	0.	0.	6.	8 . 7
-		TRACE	0	0	0	0	•	0	0.	0	0.	TRACE	TRACE
2	7	TRACE	TRACE	0.	0	0.	0	0	0.	0.	0.	1	
3	2.3	TRACE		0	0	0	0	0	0.	0.	TRACE	TRACE	2.3
26	U	6.7	•	0.	0.	0.	0.	0.	0.	0.	TRACE		
65		1.2	9	0	0	0	0.	0.	0.	0.	TRACE	_	1.2
99	2.3	TRACE	-	0	0	0	0.	0	0.	0.	TRACE		
57		TRACE	TRACE	0	0	0	0	0	0.	0.	0.	TRACE	4.
88		2.0	1	0	0	0	0.	0	0.	0.	0.		2.0
66		TRACE	TRACE	TRACE	•	0	0	0	0.	0.	•	TRACE	2.5
0	•	TRACE	-		0	0	0.	0	0.	0.		TRACE	
-	0.4	TRACE	0	0.	0	0.	0.	0		0.	TRACE		
2	0	-	TRACE	TRACE	0.	0	0.	0.	0.	0.	TRACE		1:1
3	TRACE			0	•	0	0.		0.	0	TRACE	TRA	6
7	TRACE		9.	0	0	0	0.	0	0.	0.	0.		9.
2			TRACE	0	•	0	•	0	0	•	0.	TRACE	
9		TRACE	AC	0	0	0	0.	0.	0.	0.	A		• 5
11	TRACE	1.2	3	0	•	0	•	•	0.	0.	U	TRACE	3.2
							1	1					
MEAN	.87	1.03	.31	TRACE	00.	0	00.	00	900	000	000		1.00
S. D.	12111		.737	• 000	0000	0000	0000	.000	0000	0000	020.	•	617.7
TOTAL OBS.	289	099	713	069	713	069	713	713	099	**	120	144	2649

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EXTREME VALUES

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SNOW FALL

INAKUNT, JAPAN

/BASED ON LESS THAN FULL MONTHS/

¥ /	24	10								MEAN	S. D.
JAN.		27.2									
FEB.											
MAR.											
APR.											
MAY											
J.											
JUL.											
AUG.											
SEP.	0.51										
OCT.						1					
NOV.											
DEC.											
MONTHS	SNOFALL	SNUFALL									

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NAVWEASERVCOM

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EXTREME VALUES

.

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

I WAKUNIS JAPAN

43324 STATION

0

0 0

DAILY SNOW DEPTH IN INCHES

MONTH	JAN.		MAR.	APR.	MAY	JGN.	JUL.	AUG.	SEP.	OCT.	NOV	DEC.	MONTHS
3,4									1	0	0		
22	ō	0	0	0	0	0	0	0	0	0			0
96	TRACE	4	0	0	0	0	0	0	0	0			
57	O	0	0	0	0	0	0	0	0	0			0
200	TRACE	TRAC		0	0	0	0	0	0	0			1
65				0	0	0	0	0	0	0			
9	TRACE	0		0	0	0	0	0	0	0		TRAC	-
19	TRACE	TRAC		0	0	0	0	0	0	0			TRACE
62	TRACE	TRAC		0	0	0	0	0	0	0		31	TRACE
63		TRACE		0	0	0	0	0	0	0		0	
99	ō			0	0	0	0	0	0	0			2
69	TRACE			0	0	0	0	0	0	0		TRAC	1
99	1			0	0	0	0	0	0	0			1
67	TRACE	0		0	0	0	0	0	0	0			TRACE
68	TRACE	0		0	0	0	0	0	0	0			TRACE
69	-	0		0	0	0	0	0	0	0	100		-
70		0		0	0	0	0	0	0	0			
11	TRACE	TRAC		0	0	0	0	0		0			
72	0	-	TRAC	0	0	0	0	0	0	0			-
73	TRACE	-		0	0	0	0	Ó	0	0			TRACE
76	0	1		0	0	0	0	0	0	0		0	0
73	TRACE	TRACE	0	0	0	0	0	0	0	0			TRACE
16	TRACE			0	0	0	0	0	0	0		TRACE	TRACE
77	TRACE	TRACE	7	0	0	0	0	0	0	0			2
74				0.	0.	0.	0.	0.	0.	0.	0.	0.	9.
S. D.	.308	1.502	.458	• 000	00.	0000	0000	0000	000.	.000	•	•	1.642
TOTAL OBS.	620		713	069		069	713	713	099	144	120	144	8370

0

0

0

0 0 0 0

1

3

EXTREME VALUES

SNOW DEPTH

IMAKUNI, JAPAN

/BASED ON LESS THAN FULL MONTHS/

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV	DEC.	MONTHS
54									0 51				SND OPTH
65	TRACE												SNO OPTH
69	1 25												SHO OPTH
0.	TRACE												SNO DPTH
												+	
MEAN													
S. D.													
TOTAL OBS.													

0

0

0

0

0

0

0

DAILY EXTREME AMOUNTS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

I WAKUN I JAPAN STATION NAME

JANUARY

1955-1977

YEARS

FEBRUARY

2	PRE	PRECIPITATION GREATEST	Z	ភូច	SNOWFALL	
DAY	INCHES	MM	DATE	INCHES	MM	DATE
-	0.26	7	1958	•		1971
2		25	1958	2.4	19	1967
3	84.0	12	1957	0.3	•	1965
4	0.54	*1	1975	-	1	197
2	1.50	38	1974	1.2	30	197
9	1.39	35	1961	-	-	197
7	1.11	28	1957	0.1	•	197
8	69.0	16	1962	4.0	01	197
6	0.68	17	1959	-	-	197
10	0.48	12	1972	-	-	197
11	0.18	~	1956	3.0	16	1986
12	1001	92	1956	8.5	216	1956
13	1.13	58	1972	-	-	1976
14	1.28	33	1959	-		1967
15	1.84	47	1968	0.5	13	1968
16	1.28	33	1969	-	-	197
17	99.0	17	1966	-	-	197
18	1.08	27	1976	-	-	1975
19	1.05	27	1959	0.5	13	1975
20	0.73	19	1966	-	-	197
21	65.0	15	1971	1.0	25	5
22	1.00	25	1973	1.5	38	
23	0.78	20	1974	-	-	197
24	0.73	19	1964	7.3	185	1967
25	09.0	15	1970	•	•	197
36	0.82	21	1972	-	-	197
27		-		1.1	28	1972
28	2.38	09	1976	0.2	~	-
29	0.58	15	1968	•	-	1972
30						
31						
Monthly	2.38	90	1976	8.5	216	1956

) AV		-	2	3	4	2	9	1	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	- Parente
PRE	INCHES		0.26	0.66	0	0.39	09.0	06.0	0.73	0.40	1.23		0.24	1.32		0.20		0.88	1,85	0.24	0.85	06.0	•		•	0.16	1.04	0.04	1.97	1.93	96.0	1,25	3 7 8
PRECIPITATION GREATEST	MM	22	1	11	20	10	15		19		31			34	15	5	52	22		9	22	23	27	1	09		92	1	30	69	54	32	1
N	DATE		1962	1961	1956	1971	1968	1973	1961	1961	1966	1972	56			1973	1960	1964	9	1962*	1971	1974	1975	1964	1973	1969	1958	1957	1961	6661	1970	1969	
G. G.	INCHES	2.0	2.5	2.0	4.0	0.4	2.0	2.3	9.0	1.0	•	0.5	0 • 2	0.1	6.0	0.2	1.3	6.0	0.3	0.3	5.0	4	9.0	1	0.1	2.3	0.2	0.2	1.8	1.0	-	4	-
SNOWFALL	MM	51	63	51	10	102	51	58	10	25	-	5	3	3	80	•	33	13	8	8	13	1	13	1	3	59	6	3	94	3	-	1	
	片	1962	9	1969	1958	1441	1963	0	1968	1963	-	0	1976	-	1968		1955	1970	1975	1962	1966	1976	1976	1677	1963	1960	1965	1960	1960	1956	1977	1977	

• ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

2422

43324 STATION

APRIL

DAILY EXTREME AMOUNTS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

43324 STATION

I WAKUNI JAPAN STATION NAME

MARCH

1955-1977

YEARS

GREATEST	ATE INCHES MM DATE	1 1	1	9	696	175 T T 1969	77	214	650	290	010	-	650	290	0	550	3	-	158		172	5	0	3	377	177	173	ŧ	177	-0	701	-01-W
DATE 1926 1967 1962 1969	1956 1967 1962 1969	961	196	196		197	197	19	195	-	10	67	19	19	196	195	195	197	561	\$61	197	195	196	195	1977	1977	197	. 0.	1	1961	196	1961
MM 12 1 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2	77.20	-	-	•	•	-	7	-	7	7 6	-	-	-	37 19	19 19	-	-	-	1	74 19	-	49 19	-	Ĭ	-	-	66 19	-		-	4 4	
INCHES		8		1001	1.51	0.87	1,83	1.26	2.40		1.68	1.77	1.86	1.44	0.74	3.23		2,36		2.93	1.67	1,92	1.79	1.30		-	2,59	1.84	31.6		. 0	
VAC		-	2	3	4	2	9	7	8	6	10	1:	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	90	07	29	3 29 29

0

	DATE	1975*			2	1977	1977*	1977*	1967	1966*			-	1956	1970	#6561	1957		-	1970	1970	1965			1974*	1963	1960	1974	1965	1958	1958	1958	1972	1977
SNOWFALL	MM	-	3.6		0	81	1	1	1	1			3	3	43		1	1	1	-	-	15			1	-	-	15	1	1	1	1	1	81
SNO	INCHES	•			**0	3.2	•	4		4			1.0	_	1.7	•	1	+	4	•	•	9.0			1		•	9.0	4		•	•		3.2
z	DATE	1050	14	77.0		0		1958	1964	1957	1975	1975	1968			1957	9961	1956	1958	1977	1956	1964	1960	1977	1977	1977	1958	1971	1961	1955	1956	1977	1966	1966
PRECIPITATION	MANA	-					18	21		23			57		56		34	36		59	56	57	22	40	8	12	31	20		17		33	30	04
PREG	INCHES	14.0	2 77		7076	2.52	0.71	0.81	0,00		1.20	0.57	96.0	0.59	1.02		1.34	1.42	1.45	1:14	1.02	2,26	0.85	1.56	0.31	64.0	1.22	0.78	1111	0.67	1.08	1.29	1.19	2.77
	DAY	-		,	3	4	2	9	1	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	59	30	31	Monthly

0

• ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

MONTH

DAILY EXTREME AMOUNTS

IMAKUNI, JAPAN

NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

STATION NAME

MAY

DATE

Z

INCHES

DATE

Σ

INCHES

DAY

SNOWFALL

PRECIPITATION

1955-1977

YEARS

	100	CIPITATIC	N	v	NOWFALL	
2	5	GREATEST		,0	GREATEST	
-	INCHES	MM	DATE	INCHES	MM	DATE
1	1	19	1966			
2	2.43	62	1977			
3	2.49	63	1969			
4	3.52	89	1974			
2	2.07	53	1957			
9	1.00	25	1957			
1	3.33	85	1972			
8	1.14	29	1972			
6	2.08	53	1961			
10	3.61	92	1977			
=	1.13	62	1972			
12	2.39	19	1956			
13	2.64	67	1962			
14	5.30	135	1970			
15	2.69	99	-			
16	1.59	04	1977			
17	1.65	42	1974			
18	1.54	36	1970			
19	4.56	116	1965			
20	7.82	199	1965			
21	4.30	109	1960			
22	2.23	57	1972			
23		77	1956			
24		98	1975			
25	3.84	86	1962			
26	5.48	139	1973			
27	5.45	138	1957			
28	2.01	16	1961			
29	3.67	63	1969*			

1976

48 94

14 15

13

1973

1.22

11 18 19

16

1958

1001

1960

1963

91

9

2012 2012 2012 3059 1006 1006 1006

12

=

1970

2.77

8 6

1.62

2

1965

1961

1.45

1964

1970

1959 1976 1971

3.68

2

92

99.0

25

24

23

1.54

30 28

2.16

8 21 22

949

87 1970

3.45

30 31

199 1965

7.82

Monthly

DIRNAVOCE ANMET - SMOS

• ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

43324 STATION

3,58

œ

0.46

1.42 1.17 1963 1963

5.40

1.18

*

3.70

DAILY EXTREME AMOUNTS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION

IMAKUNI JAPAN STATION NAME

1955-1977

YEARS

AUGUST

DAY CHES MM DATE INCHES MM DATE			
	GREATEST GREATEST INCHES MM	INCHES MM DATE INCHES MM	INCHES MM DATE INCHES MM

	and o	PRECIPITATION GREATEST	Z	 	SNOWFALL	
DAY	INCHES	MM	DATE	INCHES	MM	DATE
1		89	1969			
2	3.49		1968			
3	48.4	123	1956			
4		88	1962			
2	3.73	66	1961			
9		94	1961			
1	2.72	69	1969			
8	6.43	163	1960			
6	5.41	137	1961			
10	3.00	16	1972			
=	2.33	99	1972			
12	1.63	14	1972			
13	2.09	53	1975			
14	3.72	46	1959			
15	0.23	9	1968			
16	2.49	63	1974			
17	89.0	17	1975			
18	3.12	44	1963			
19	2.00	51	1964			
20	*	12	1956			
21	0.83	21	1971			
22	2.94	75	1971			
23	1,56	04	1971			
24	1.17	30	1976			
25	2,38	09	1957			
26	3.43	87	1957			
27	1,89	84	1957			
28	1.70	63	1968			
29	1,33	34	1968			
30	96.0	24	1968			
31			1973			
Monthly	6.43	163	1960			

3,53

2,89 6.07

84 1962

3,32

1,16

6.07

Monthly

96.0

* ALSO ON EARLIER YEARS

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCE ANMET - SMOS

DAILY EXTREME AMOUNTS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

IMAKUNI , JAPAN

STATION NAME

SEPTEMBER

1954-1977

YEARS

			DC TOBER MONTH	TUBER MONTH			
	and a	PRECIPITATION GREATEST	N.		SNOWFALL		
DAY	INCHES	MM	DATE	INCHES	MM	DATE	
-	1.67	42	1963				
	0	-					

DATE

MM

INCHES

DATE

Z

INCHES

DAY

0

1963

0.31

7 n

1,00

1976 1962

SNOWFALL

PRECIPITATION

INC												
DATE	1963	1974	1968	1955	1961	1961	1960	1974	1963	2961	1962	1975
MM	42	32	27	168	31	62	39	36	14	9	63	51
INCHES	1.67	1.25	1.07	09.9	1.22	2.44	1.55	1.43	1901	0.25	3.66	2.01
	•	2	3	4	2	9	7	80	6	10	11	12
	INCHES	I 67 42	1.67 42 1.25 32	1.67 42 1.25 32 1.07 27	1.67 42 1.25 32 1.07 27 6.60 168	1.67 42 1.25 32 1.07 27 1.07 27	1.67 42 1.25 32 1.07 27 6.60 168 1.22 31	1.67 42 1.67 42 1.07 27 1.07 27 1.05 168 1.22 31	1.67 42 1.25 32 1.07 27 1.07 27 1.05 39 1.55 39	1.67 42 1.25 32 1.07 27 1.07 27 1.22 31 1.55 39 1.61 41	1.67 42 1.25 32 1.07 27 1.22 31 2.44 62 1.55 39 1.61 41	1.67 42 1.25 32 1.07 27 1.22 31 1.22 31 1.55 39 1.61 41 1.61 41

145

				30			-								-
1	-		-				-		-	-	-	-			-

21 1976

0.81

1976

2.18

1,38

10 = 12 13 14

2.46

æ 6 1968

10

3.98 1.31

1965

62

2,45

16

17

15

19

20

18

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23

24 25

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22

21

0

56

27

0

1962

1.45

1963

2.73 1.88

9

S

4

13 1963

2,18

14 15 16

1973

1.02

13

1970 1975 1958 1974

28 33 34

1.12 1.13 1.30 0.92 1,32

17

18 19

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1															+
	996	996	096	156	996	896	010	996	954	954	1976	954	156	955	963
									83 1		171	151	62 1	81 1	106 1963
	2,80	3,39	2.00	0.75	1.68	0.79	2,65	2.70	3,26	2.01	99.0	0.58	2.43	3.17	4.16
	-	_		_		_	_	-	_	_	_	_	_		-

1.55

23 24 25

22

21

20

1963

38

1.51

2.24 3.06 1.34

26

00

0.30

1973

1976

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD * ALSO ON EARLIER YEARS

100

3

0

0

1956

1971

3 38

30

27

1965 1955

0.32 09.9

69

Monthly

31

DIRNAVOCE ANMET - SMOS

31 Monthly

53

28

30

30

0

43324 STATION

5724 DALY AMOUNTS MAR 1978

DAILY EXTREME AMOUNTS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

43324 STATION

I WAKUN I JAPAN STATION NAME

MONTH

1954-1977

YEARS

DECEMBER

		DATE	1972		1969	1973*	1973*	1971+	1973	1969#	1976	1976*			1972*	1969*	1967*	1968	1965*	1960*			1967*	1975#	1975*	1973*	1977*	1976*	1976	1976*	1972	1960	1965*	1972
SNOWFALL		MM	15			1			1	1	3	-				1	1	3	1	-				1	1	1	1		8	1	13	8	1	15
SS	- 1	INCHES	0.0		1	•	1		•	-	0.1	-			1	4		0.1	-					1				-	0.3	1	0.5	0.3	•	9.0
2		DATE	1972	1959	1976	1975	1968	1975	1969	1954	1959	1974	161	1968	1957	1962	1977*	1976	1961	1974		1955	1973	1965	9	1972	1976	1957	1971	1974	1977	1962	1959	1954
PRECIPITATION GREATEST		MM	2	35	5	17	17	6	17	43	8	2	4	22	15		3	92	22	1.8	18	2.1	5	53	33	4	15	12	17	5	24	16	12	43
PREC		INCHES	0.07	1.36	61.0	99.0	19.0	0.37	99.0	1.70	0.31	0.21	0.15		09.0	1.00	0.12	1001	0.87	69.0	69.0	0.83	0.18	1.14	1.30	0.16	0.59	0.48	0.68	0.20	76.0	0.62	0.83	1.70
	DAY		-	2	3	4	2	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	56	27	28	29	30	31	Monthly

SNO GRES	SNOWFALL GREATEST INCHES MM
	MM MM

• ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

NWSD, Federal Building

Asheville, N. C.

PART C

U.

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

column. A supplementary list of Peak Gusts, by year-month with < 90% observations reported is also provided. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is period. Every month of a year must have valid observations present before the ALL MONTHS value is selected compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. selected and printed. These values are then used to compute means and standard deviations for the entire for that year. Means and standard deviations are computed when four or more values are present for any

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean Derived from 3-hourly observations, these tabulations are a Bivariate percentage frequency tabulations: wind speed for each direction. 3

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- Three tables are prepared for all surface winds included, and for all years combined as follows:
- (1) Annual all hours combined
- (2) By month all hours combined
- (3) By month by standard 3-hour groups
- A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet. è

EXTREME VALUES

SURFACE WINDS

IWAKUNIS JAPAN

43324 STATION

57-77

YEARS

DAILY PEAK GUSTS IN KNOTS

NAL	+	E.	MAR.	Y. Y.	MAY	>	N	JU.	AUG.	-	SEP.	OCT.	NOV	DEC.	+	MONTHS
												-	1			
	7 20	200	1		-	200	1	1		2	MINE			3	0 0	73
	2	200			200	270			-	2 2 2 2	2000		200		100	2 0
	223	467	2		20	477			316	643			- 4		-	0
	SEMSE	328			N	5562	2		ONE	212				-	77	303
	25×			15SSW 2	SON	26SE			175	ZST					17	z
	28MSX	1			SSE	2155	-		1NE	20NE			1	-	23	
	TSETT			7	SSE	265			TONNE	S ON				NAS Z	34	ISE
	28WNW	1		SSW	655W	225W	1		ONNE	N62	1	1		*	17	x
HON	334	28	Z		2WSW	305			SSSE	SANNE				30M	39	SSE
	30MNW	29	S		MNMO	245	1		56	23N					52	373
	ZON	26	3		BNE	175W			85	21 NNE					82	SSE
	35WSE	35	SE		MNMS	261	1		OSSE	32NNE				1	1.3	EUE
z	SENSE	4	3		3	245			2	265				26WSW	32	ESE
1	3	32	-		NE	22NN	20.5		65	809		1	1		34	
	3927	313	0		219	2824			718	4	25				62	
27	2662	322			424	2822	1		518	O	2326		1		62	62
	2530	290	•		327	2529			217	2123	2829				22	30
	2161	262			712	2418	1		903	18	23	1		1	61	
	2528	222			3024	1822	1920		2103	3618	1903				25	03
	3118	263	~		629	2920	1		-	18	5625				92	
	2030	262	-	3027 3	3325	2106	1733	13 1	925	2503	1704	1904	1	2328	54	27
62	1	28.3	-	27.2	3 2		0.62	23.9		29.92	29.2	24.3	27.6	28.		38.3
6.824	•		8.032	:	-	3.846 4	4.310	4.258	-	0		0	3.981	0	30	7.528
15					4	П										

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EXTREME VALUES

SURFACE WINDS

63

0

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57-77

/BASED ON LESS THAN 90% DBSERVATIONS FOR MONTH! IWAKUNI JAPAN

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NAVWEASERVCOM

SURFACE WINDS JAN 78 *

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5702

128

48 - 55

41 - 47

34 - 40

28 . 33

22 - 27

17 - 21

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SPEED (KNTS) DIR.

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SURFACE WINDS

8 2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 AL

YEARS

WEATHER CLASS

NOURS (L.S.T.)

NONTH

CONDITION

5.1 5.3 2.0 MEAN WIND SPEED 9. 2.6 5.2 *

155

3.3

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0

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32.3

43.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

IMAKUMI, JAPAN

43324 STATION

2.6

1.0 MEAN WIND SPEED

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18

48 - 55

41 - 47

4 2

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22 - 27

17 - 21

11 . 16

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HOURS (L.S.T.)

NAC

YEARS

73-77

WEATHER

ALL

STATION NAME

IMAKUNI, JAPAN

43324 STATION

CONDITION

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5702 SURFACE WINDS JAN 78 0

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18.7

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WNW

VARBL CALM

N N

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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

12575 62181

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

DIRECTION AND SPEED

200

Q

NOUNS (L.S.T.)

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

IMAKUNI, JAPAN

YEARS

ALL WEATHER

COMDITION

10.04 4 W W & & 7.8 3.6 MEAN WIND SPEED 3.2 1.3 8.4 100.0 12 48 . 55 41 . 47 34 - 40 28 - 33 22 - 27 17 - 21 0 11 . 16 0.6 5.6 1.3 6.0 0 0 7 . 10 - 22 m 34.2 4.6 2 2 2 0 -3 WNW KNTS) DIR. ** Z SSW N X VARBL CALM Z Z 2 2 2 SW ø

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155

TOTAL NUMBER OF OBSERVATIONS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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43324 STATION

DIRNAVOCEANMET SMOS

0 2

155

TOTAL NUMBER OF OBSERVATIONS

0

3

0

0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

09 HOURS (L.S.T.) NONTH YEARS 73-77 ALL WEATHER CONDITION I WAKUNIS JAPAN

MEAN WIND SPEED	5.5	3.8	7.0	3.0				1.0		2.5	5.9	3.6	3.6	3.0	3.0			3.6
*	5.2	3.9	9.	9.				9.		1.3	4.5	26.5	32.9	14.2	4.5		5.2	100.0
98 Al																	X	
48 - 55																	X	
41 . 47																	X	
34 - 40																	X	
28 - 33																	X	
22 - 27																	X	
17 . 21																	X	
91 - 11													0.				X	0.
7 - 10	1.3	1.3	9.								1.3	9.	1.3		9.		X	7.1
•	3.9	1.9									2.6	11.0	14.2	4.3	•		X	38.7
::		9.		5.				9.		1.3	9.	14.8	16.8	6.4	3.2		X	48.4
SPEED (KNTS) DIR.	z	Z Z	ž	ENE	ESE	25	386	•	SSW	SW	WSW	*	WNW	×	NN.	VARBL	CALM	

DIRNAVOCEANMET SMOS

NO

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

3332

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3

43324 STATION

MEAN WIND SPEED

12

48 - 55

. 47 7

34 - 40

28 . 33

10.93

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

YEARS

12 HOURS (L.S.T.)

MONTH

7 - 10

4.0

..

SPEED (KNTS) DIR.

0

3.2	1.3	2.6	9.	1.3	9.	9.	
							-

W - - W 4

								X	
				1.9		•	9.	X	3.2
•			1.3	1.1	3.9	1.3	0.		25.2
	 1.3	1.3		5.8	2.5	1.9	٥.	X	41.9
1.3		5.	1.3	5	5.	1.9	0.		21.3

TOTAL NUMBER OF OBSERVATIONS

155

5.1

100.0

8.4

808

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

43324 STATION

IMAKUNI, JAPAN

25 25 25

WSW WSW

SSW .

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0

WWW N K VARBL CALM

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAU	MONTH	15	HOURS (L.S.T.)	
73-77	YEAR	ALL MEATHER	CLASS	COMPITION
JAPAN	STATION NAME			
WAKUNI, JAPAN				

MEAN WIND SPEED	0.9	5.3	5.2	7.0	3.5	3.4	3.6	3.2	4.5	5.0	6.5	5.9	6.9	7.4	6.1	7.0			5.2
*	4.3	6.9	7.8	1.9	2.5	5.8	3.2	5.8	2.6	1.3	1.3	5.8	18.2	4.00	9.1	4.5		7.8	100.0
% Al																		X	
8 . 55																		X	
41.4																		\bigvee	
38																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		X	
17.21																		X	
11 - 16											9.		1.3	9.	5.	0.		X	3.9
7 . 10	1.9	1.9	1.9	9.					9.			1.9	1.6	5.8	3.2	1.3		X	28.6
• • •	1.9	2.6	3.9	1.3	3.5	1.9	7.5	1.9		1.3		3.2	6.9	1.9	4.5	5.6		X	39.6
:-	9.	1.9	1.9		7.0	3.9	1.3	3.9	1.3		9.	9.	1.3		3.			X	20.1
SPEED (KNTS) OIR.	z	NN	w	Z		ESE	35	SSE	s	SSW	SW	WSW	>	WNW	×	MNN	VARBL	CALM	

0

1 =

154

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

43324 STATION

=

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

73-77

IMAKUNI, JAPAN

YEARS

ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	:	• • •	7 . 10	1.16	17 - 21	22 - 27	28 . 33	34 - 40	4 - 4	48 - 55	%	*	WIND SPEED
z		1.9	3.9									5.8	7.6
N.	5	-	3.2									5.2	6.3
Z													
ENE	9.	1.9										2.6	3.8
3	9.	9.										1.3	4.0
ESE													
*	0											9.	3.0
SSE	9											9.	2.0
	1.9	1.3										2°€	3.0
SSW		9.										9.	5.0
SW	1.3		9.									6.1	4.
WSW	3.2	9.	1.3									2.5	4.
*	5.8		3.9									7.61	5.0
WWW	3.9	6.7	2.6									16.1	4.5
¥	1.3		0.									8.4	4.4
NNN	3.2	2.6	1.3									1.1	4.5
VARBL													
CALM	\bigvee	21.9											
	23.9	36.8	17.4									100.0	3.7

0

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155

TOTAL NUMBER OF OBSERVATIONS

0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

ALL WEATHER

POURS (L.S.T.)

NA N

YEARS

73-77

STATION NAME

IMAKUNI, JAPAN

	• •	7 - 10	91 - 11	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI	*	MEAN WIND SPEED
0	1.9	1.3									3.9	5.8
0	4.5	1.9									7.1	6.1
		1.3									1.3	7.5
5	1.9										3.9	3.5
5.2	5.7	.0									7.7	3,3
15.5	13.5	2.									31.6	3.9
4.61	5.8										25.8	3.1
5.5		•									7.1	2.5
1.9	•										2.6	2.8
	X	X	X	X	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	0.6	
51.6	30.3	0.6									100.0	3.4

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155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

(B)

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43324 STATION

5702 SURFACE WINDS JAN 78

SURFACE WINDS

200 O

ALL HOURS (L.S.T.)

LAN

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER IMAKUNI, LAPAN

CONDITION

MEAN WIND SPEED	0.9 0	0 5.9	3 5.4	4.5		6 3.9	.6 3.1	3.4		.6 5.3	5 4.0			9.9	7 3.8	6 4.5		5	9.6
*	5.0	0.9	2.3	-	2.3	1.6	•	1.0	1.0	•	1.5	5.3	22.4	24.0	10.7	3.6		10.5	100.0
% %																		M	
4 . 5 3																		\bigvee	
41 - 47																		\bigvee	
3 45																		M	
28 - 33																		M	
22 - 27																		X	
17 - 21																		X	
11 . 16	7.										7.			.2	.2	.2		M	1.2
7 - 10	2.0	2.1	6.	.2	.2	1.			. 1	•	1.	1.1	3.7	2.3	1.0	9.		X	14.0
;	2.1	2.9	80.	0.	1.2		~	.2	3.	5.		1.8	8.7	10.5	3.9	1.1		\bigvee	36.3
:	100	1.0	9.	us.	1.0		3.	. 7			æ	2.4	9.8	11.0	5.6	1.1		\bigvee	37.4
SPEED (KNTS) DIR.	z	Z	¥	ENE	-	ESE	*	325	•	SSW	×s	WSW	*	WWW	¥	NNN	VARBL	CALM	

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1239

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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43324 STATION

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4. 4.0

0.4

MEAN WIND SPEED

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22 - 27

17 - 21

11 - 16

7 - 10

- 3

SPEED (KNTS) DIR.

2.1

2.8

2 2 2 2

3

1.0

4.0

3

3.1

4.9

3.1

3.5

SURFACE WINDS

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HOURS (L.S.T.) 00 F FB

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

ALL WEATHER

YEARS

TOTAL NUMBER OF OBSERVATIONS

141

3.0

100.0

14.2

DIRNAVOCEANMET SMOS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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43324 STATION

IMAKUNI, JAPAN

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SSW WSW WSW

2.8

2.8

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1.4

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5.7

30.5

48.9

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10

0

25 SE SE

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VARBL CALM

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

0

03 HOURS (1.5.T.)

FEB

0

CONDITION

1

11 . 16

7 - 10

4.6

:

SPEED (KNTS) DIR.

Z Z Z

0

- 2 2 3

0

ALL MEATHER

MEAN WIND SPEED	3.6	6.3	7.7	4.0	1.0		0.2		2.0	3.5	3.5	3.1	3.0		3.2
*	5.7	5.7	2.1			*				25.5	29.1	14.2	3.5	11.3	100.0
% Al														X	
48 · 55														X	
41 . 47														X	
34 - 46														X	
28 - 33														X	
22 - 27														X	
7						1		11	T					V	

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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43324 STATION

IMAKUNI, JAPAN

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WSW WSW

>

SSW 9

2.8

11.9

9.6

WWW WWW

VARBL CALM

0

0

4.9

32.6

48.9

1

141

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

SMOS

1

0

06 HOURS (L.S.T.)

FEB

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

ALL WEATHER

YEARS

CONDITION

:	• •	7 . 10	11 - 16	17.21	22 - 27	28 . 33	34 . 46	41.47	48 - 55	% AI	*	WEAN WIND SPEED
2.1	2.1	1.4									9.9	5.3
3		2.8									5.0	4.0
	2.1	1.									2.8	5.8
-	1.											4.0
-												
											1.4	
1.3	5.0										17.0	3.2
	14.2	2.1									36.0	3.7
8.5	5.0										13.5	3.2
£ . 4	1.4										2.5	2.5
-												
\bigvee	X	X	X	\bigvee	13.5							
1.95	31.9	7.8	.7								100.0	3.3

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DIRNAVOCEANMET SMOS

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43324 STATION

IWAKUNI, JAPAN

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TOTAL NUMBER OF OBSERVATIONS

20

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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09 HOURS (L.S.T.)

FEB MONTH

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

73-77

STATION NAME

IMAKUNI, JAPAN

43324 STATION

COMBITION

MEAN WIND SPEED	2.4	5.7	7.8		2.0						4.7	2.7	3.8	3.3	2.7	2,8			3.3
*	3.5	11.3	4.3								2.1	2.1	18.4	29.8	6.6	4.3		13.5	100.0
%																		X	
48 · 55																		X	
41 - 47																		\bigvee	
34 . 40																		\bigvee	
28 · 33																		X	
22 - 27																		X	
17 - 21																		X	
11 . 16			.7															X	1.4
7 - 10		2.1	2.1								1.		2.8					X	8.5
• :	4.	4.0											2.0	6.6	2.8	.1		X	27.7
::	2.8	2.1									.,	1.4	10.6	19.1	7.1	3.5		X	48.9
SPEED (KNTS) DIR.	z	Z	¥	ENE		ESE	35	SSE	s	SSW	NS.	WSW	*	WNW	¥.	NNN	VARBL	CALM	_

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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141

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

0

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

SURFACE WINDS

(FROM HOURLY OBSERVATIONS)

FEB	момти	12	HOURS (L.S.T.)	
	YEARS			
73-77		ALL WEATHER	CLASS	CONDITION
JAPAN	STATION NAME			
IMAKUNI, JA				

SPEED (KNTS) DIR.	1.3	• • •	7 . 10	11 - 16	17 - 21	22 · 22	28 - 33	34 . 45	41.4	48 . 55	3 5	*	MEAN WIND SPEED
z	2.8		1.									7.8	3.9
NN	3.5		2.1	1.4								10.6	5.4
Z.	1.4											4.9	6.1
ENE												2.6	5.8
•	7.8											13.5	3.5
ESE	2.1	3.5										4.9	4.2
35	1.4											3.5	5.0
SSE	2.1	2.1										4.3	3.5
S	1.4			۲.								2.8	5.3
SSW												1.4	0.9
SW													5.0
WSW			2.8									3.5	8.4
*	2.1	2.0	3.5									11.3	5.9
WNW	1.4	4.3	2.8	•								2.6	4.0
¥	1.4	1.4										3.5	5.0
NNW			3.5									5.0	7.9
VARBL													
CALM	\bigvee	\bigvee	\bigvee	\bigvee	X	X	\bigvee	\bigvee	\bigvee	X	\bigvee	7.1	
	28.4	38,3	21.3	5.0								100.0	4.9

0

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0

DIRNAVOCEANMET SMOS

43324 STATION

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77 ALL WEATHER IMAKUNI, JAPAN

15 HOURS (L.S.T.)

FEB

CONDITION

SPEED 1 - 3 (KNTS) 1 - 3 DIR.	z	NNE 2	NE NE	ENE	. 1	ESE 2	Sf 2	SSE 2	s 2	SSW	SW	WSW	*	www 2	MW	NNW	VARBL	CALM
:	2.1		1.4 2.8	1.4 1.4	1.4 2.1	2.	3.	2.8 3.5	3.		-			.1 2.1		.7 1.4		X
7 - 10		1.4	2 .1				2.1							5.7		2.8		X
11 . 16													. 7	1.4				X
17 . 21																		X
22 - 27																		X
28 · 33																		X
34 - 46																		X
41 . 47																		X
48 - 55																		X
95 AI																		X
*	2.8	5.0	•	2.8	3.5	5.0	8.5	7.1	7.1	2.1	3.5	5.0	=======================================	=======================================	4.3	5.0		8.5
MEAN WIND SPEED				2.8						5,3			6.9	7.1		9.9		

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141

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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43324

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141

TOTAL NUMBER OF OBSERVATIONS

.0

Q

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5702 SURFACE WINDS JAN 78

SURFACE WINDS

-

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER

NOURS (L.S.T.)

FEB MONTH

COMPITION

1.3	• •	7 . 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41.4	48 - 55	98	*	MEAN WIND SPEED
1	2.1	T									2.1	4.7
2.1	2.8	2.1									7.1	4.8
		•										8.0
	7:4										2.1	3.7
											1.	2.0
2.1											2.1	2.0
*											1.4	2.0
3.3											3.5	2.0
4.3		1.4									9.9	4.1
7.1	1.4										3.5	2.0
											2.1	4.3
	2.8										4.3	5.2
3.5	9.0	5.0	1.4								16.3	5.9
2.8	7.1	3.5									13.5	5.4
3.5	2.1	1.4									7.1	1.4
		2.1									2.8	7.0
•												
V	X	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	24.1	
7.7	28.4	18.4	1.6								100.0	3.7

0

IMAKUNI, JAPAN

43324 STATION

20

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

DIRNAVOCEANMET SMOS

MEAN WIND SPEED SURFACE WINDS 21 NOURS (L.S.T.) FEB *

YEARS

73-77

STATION NAME

IMAKUNI, JAPAN

ALL WEATHER

CONDITION

0

2

5.0 3.8 3.2 0.6 2.0 232222 4.6 12 48 - 55 41 - 47 34 - 40 28 - 33 22 - 27 17 - 21 11 - 16 7.8 7 . 10 2.1 6.6 4.9 4.6 4 4 6 6 4 2.1 .. NW VARBL SPEED (KNTS) DIR. SSW NSW WNW ZZZ - 2 - 2 -ENE *

DIRNAVOCEANMET SMOS

3 =

141

TOTAL NUMBER OF OBSERVATIONS

2.8

100.0

7.1

22.7

52.5

CALM

0

0

0

8

17.7

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

DIRECTION AND SPEED

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43324 STATION

3

ALL HOURS (LS.T.)

FEB

5702 SURFACE WINDS JAN 78

WINDS SURFACE 1 =

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

IMAKUMI, JAPAM

YEARS

ALL WEATHER

3.7 MEAN WIND SPEED 10000 13. × 2 . 55 4 41 - 47 4 34 28 - 33 . 27 22 . 21 1 11 . 16 2.3 2.1 13.0 7 - 10 30.9 00076

DIRNAVOCEANMET SMOS

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43324 STATION

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SPEED (KNTS) DIR.

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WSW

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SSW

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VARBL CALM

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TOTAL NUMBER OF OBSERVATIONS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0 2

HOURS (L.S.T.)

MAR

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER IMAKUNIS JAPAN

MEAN WIND SPEED	3.5	4.8	7.0	1.0	2.0				3.0	2.5	0.4	8.5	3.8	3.0	2.7	3.5			2.6
*	3.9	7.1	1.3	9.	9.				9.	1.3	9.	1.3	15.5	27.1	15.5	1.3		23.2	100.0
%																		X	
48 - 55																		X	
41.47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		X	
22 - 27																		X	
17 . 21																		\bigvee	
. i												9.	0.					X	1.3
7 - 10		1.3	9.										1.3					X	3.2
;	1.9	3.9	· ·								9.	9.	3.2	10.3	1.3			X	23.2
· · · 3	1.9	1.9		0.	0				9.	1.3			10.3	16.8	14.2	5.		X	0.64
SPEED (KNTS) DIR.	z	N N	¥	ENE	•	182	35	SSE	•	SSW	*S	WSW	*	WNW	×	NNA	VARBL	CALM	

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

8

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

YEARS

ALL WEATHER

CONDITION

HOURS (L.S.T.)

MAR

SPEED (KNTS) DIR.	1.3	•:•	7 . 10	11 . 16	17 . 21	22 - 27	28 - 33	34 . 40	41 - 47	48 - 55	%	*	WIND
z	3.2		9.									4.5	3.3
N N	5	2.6	0.	0.								4.5	5.7
ž												9.	5.0
Z	0.											9.	1.0
ESE													
SE	9.											9.	3.0
386		0.										9.	5.0
•	9.	•										1.3	0.4
SSW	٥.											g.	2.0
SW	9.	9.	9.									1.9	4.7
WSW		9.		9.								1.3	0.6
*	5.4	4.3	1.9									11.6	6.3
WNW	21.3	10.3	1.3									32.9	3.2
NW	11.6	:	1.3									14.2	3.0
NNW	1.9	9.	9.									3.6	3,8
VARBL													
CALM	X	X	X	X	X	X	X	X	\bigvee	X	\bigvee	21.3	
	47.1	23.	7.1	1.3								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

は年の

155

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DIRNAVOCEANMET SMOS

IWAKUNIS JAPAN

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

SURFACE WINDS JAN 78

SURFACE WINDS

60

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

06 HOURS (L.S.T.) MAR 73-77 ALL WEATHER COMBITION IWAKUNIS JAPAN

HNE 2,6 1,9 1,3 HNE 2,6 1,3 HNE 2,	(KNTS) DIR.	::	:	7 . 10	5	17 - 21	u · u	28 - 33	4 . 4	4.4	48 - 55	*	*	MEAN WIND SPEED
2.6 1.9 1.3 .6 .6 .6 .7 .8 .9 .9 .9 .9 .9 .9 .9 .9 .9 .9 .9 .9 .9	z		5.2										5.2	6.9
1.3 1.3 1.3 1.4 1.6 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	ZZ	2.0	-	1.3									5.00	
11.3 30.3 7.1 .0	¥		9.										9.	
11.0 3.26 11.0 3.26 11.0 3.26 11.0 3.26 11.0 3.26 11.0 3.26 11.0 3.26 11.0 3.26 11.0 3.26														
11.36 9.0 3.26 19.4 11.6 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6		0.											9.	2.0
11.36 19.4 11.6 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6	151													
11.36 9.0 3.26 19.4 11.6 2.6 11.0 3.26 11.0 3.26 11.0 3.26 11.0 3.26 11.0 3.26	35													
9.0 3.2 1.9 .6 19.4 11.6 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6 11.9 2.6	35£	1.3											1.3	2.5
19. 4 11.6 2.6 11.9 .6 11.0 3.2 11.0 3.2 11.0 3.2 11.0 3.2 11.0 3.2 11.0 3.2 11.0 3.2 11.0 3.0 3.0 3.0 7.1 .6	8			9.									9.	6.0
19.4 11.6 2.6 19.4 11.6 2.6 11.0 3.2 1.9 .6 11.9 2.6	SSW													
19.4 11.6 2.6 19.4 11.6 2.6 11.0 3.2 1.9 2.6 1.9 2.6	SW		9.										9.	•
19.4 11.6 2.6 11.0 3.2 1.6 11.9 2.6 1.9 2.6 45.8 30.3 7.1 .6	MSM		1.3	1.9	9.								3.9	8
11.0 3.2 11.0 3.2 11.9 2.0 45.8 30.3 7.1 .6	*	9.0		9.									12.9	~
11.0 3.2 1.9 2.6 1.9 2.6 1.9 2.6 1.9 2.6 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	WNW	19.6	11.6										33.5	3.5
45.8 30.3 7.1 .0	NW	11.0											14.2	2.8
45.8 30.3 7.1 .0	NNN	1.9											4.5	m
45.8 30.3 7.1 .0	VARBL													
30.3 7.1 .6	CALM	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	16.1	
		45.8			. •								100.0	3.

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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43324

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SURFACE WINDS JAN 78 5702

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

OB

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER

IMAKUNIS JAPAN

43324 STATION

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NOURS (L.S.T.)

MA M

COMBITION

MEAN WIND SPEED	0.4	5.3	4.9	6.3	5.6			2.0	1.0	0.9	4.0	0.4	1.0	0.4	3.2	3.0			3.5
*	12.3	18.1	4.5	2.6	3.6			9.	9.	9.	9.	1.9	0.6	11.6	5.8	5.5		20.6	100.0
%																•		X	
8 . 55																		X	
4.4																		\bigvee	
34 · 40																		\bigvee	
28 - 33																		X	
22 - 27																		X	
17 . 21																		X	
91 - 16		0.											5.					X	1.3
7 - 10	1.3	3.2	0.	1.3									5.5	2.0	9.			X	12.3
:	5.2	10.3	3.2	9.	0.					9.	9.		3.9	3.9	1.3	1.9		X	33.5
::	5.8	3.9	5.	3.2	5.6			9.	0.			5.	1.9	5.2	3.9	3.2		X	32.3
SPEED (KNTS) DIR.	z	W X	ž	ENE		ESE	35	SSE	s	SSW	NS.	WSW	*	WWW	×	NNW	VARBL	CALM	

1850

*

3

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155

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER IMAKUNIS JAPAN

CONDITION

12 HOURS (1.5.T.)

MAR

MEAN WIND SPEED	9.9	5.8	5,3	6.2	3.7	4.7	4.5	3.7	3.9	3.0		6.8	7.8	8.1	5.6	6.5			5.1
*	5.2	7.1	4.5	3.9	12.9	12,3	14.2	6.5	5.5	1.3		3.9	9.4	5.2	3.2	5.6		3.9	100.0
3 5																		X	
48 - 55																		\bigvee	
41.0																		\bigvee	
34 · 40																		\bigvee	
28 · 33																		\bigvee	
22 - 27																		\bigvee	
17 . 21																		\bigvee	
91 . 11				0.									1.3	1.3		9.		X	3.9
7 . 10	2.6	2.6	9.	1.3	1.3	1.	1.3	9.	9.			2.6	3.9	1.9	1.3	9.		\bigvee	22.6
;	1.3	3.9	3.2	1.3	5.8	3.8	9.7	2.6	1.9			1.3	3.2	1.3	1.3	9.		\bigvee	45.8
	1.3	0.	9	0.	5.8	2.6	3.2	3.2	2.6	1.3				9.	0.	9.		X	23.9
SPEED (KNTS) DIR.	z	av z	¥	Z.	-	ESE	35	358	•	SSW	WS.	WSW	*	WWW	¥	NNW	VARBL	CALM	

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS JAN 78

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS) NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

73-77

e E

15

MAR

SURFACE WINDS

WEATHER COMBITION

ALL

* WIND SPEED	3.2 4.0	5.2 5.1	5.8 7.6	1.9 2.7	2.5	9.7 3.4	11.6 5.3	15.5 5.3	9.0 4.6	2.6 4.8	1,3 5,5	3.9 8.5	5.2 7.0	8.4 8.6	1.3 10.0	3.9 7.3		6.5	
S Al																		X	
4 . 55																		X	
41.0																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	The state of the s
22 - 27																		\bigvee	
17 - 21																		\bigvee	
1 . 16			9.									9.		9.		9.		\bigvee	
7 . 10	3.	1.9	2.6		0.	0.	3.9	5.2	1.3	••	9.	2.6	2.6	6.5	1,3	1.3		\bigvee	
•	1.3	1.9	2.6	9.	1.9	3.6	5.4	6.5				9.	2.6	1.3		1.9		\bigvee	1
	1.3	1.3		1.3	2.6	5.8	2.6	3.9	1.9	0.	5.							\bigvee	
SPEED (KNTS) DIR.	z	N.	w Z	EN EN		ESE	SE	SSE		SSW	AS.	WSW	*	WNW	*	NNN	VARBL	CALM	

DIRNAVOCEANMET SMOS

125 55 151

43354

IMAKUNI, JAPAN

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MAR

NOURS (L.S.T.)

DIRECTION AND SPEED

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER

COMDITION

7.8 2.8 7.1 3.5 3.1 MEAN WIND SPEED 5.887.2 23.2 100.0 * 12 48 - 55 41 . 47 34 - 40 28 . 33 22 . 27 17 - 21 • • 11 . 16 5 10000 18.1 7 - 10 3.0 20001 23.5 • • 34.8 . . 3 * × NN X SPEED ENTS) VARBL CALM WSW 35 XS s

1 =

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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43324 STATE

IMAKUNT, JAPAN

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155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

.

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

IMAKUNIS JAPAN

43324 STATION

ALL WEATHER

21 HOURS (L.S.T.)

MAR

CONDITION

SPEED 1		•	7 . 10	11 . 16	17 - 21	22 - 27	28 - 33	34 . 40	41 - 47	48 . 55	8	×	WIND SPEED
1	9.	1.9	1.3									3.9	6.0
-	1.9	0.	5.2	9.								8.4	7.0
_	1.3	0.	9.									2.5	4.5
-													
-		0.										9.	5.0
		9.										9.	0.0
	1.9											1.9	2.3
_		9.										9.	5.0
-	1.3											1.3	2.0
	9.	9.										1.3	4.5
	9.		9.									1.3	5.0
	2.6	1.9		9.								5.2	3.9
	14.8	2.6	7.9									19.4	3.2
WWW	10.3	4.5										14.8	2.8
-	0.6	2.6										11.6	2.9
	1.9	9.										2.6	3.3
VARBL													
CALM	V	X	X	X	\bigvee	23.9							
	47.1	18.1	4.6	1.3								100.0	2.9

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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155

TOTAL NUMBER OF OBSERVATIONS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

IMAKUNIS JAPAN

43324 STATION

ALL HOURS (L.S.T.) MAR

0

CONDITION

* WIND SPEED	5.5 4.5	7.5 5.7	2.7 5.6	1.0 4.4	3.5 3.4	3.2 4.0	4.0 4.4	4.0 4.1	4.0 3.7	1.5 3.7	.8 4.8	3.3 6.6	11.2 4.7	17.4 3.9	9.0 3.3	3.5 4.5		17.3
%																		X
86 - 85																		X
0.14																		\setminus
34 . 46																		\setminus
28 - 33																		\setminus
n · n																		X
17 - 21																		X
11 . 16		.2		7.								*.	*.	.2		.2		X
7 - 10	1.0	2.4	3.	3.	.2	2.	9.	1.	4.	7.	.2	1:1	2.3	2.3		5.		X
• • •	2.3	3.1	7.0		1.2	1.7	1.9	1.4	1.5	0.		1.4	3.1	5.7	1.9	1.4		X
	2.2	1.7	3.	00	2.0	1.3	1.4	1.9	2.1	6.	.2	3.	5.4	9.2	4.9	1.5		X
SPEED (KNTS) DIR.	z	Z	¥	E E	-	55	35	SSE	•	SSW	AS.	WSW	*	WWW	¥	NN	VARBL	CALM

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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1240

TOTAL NUMBER OF OBSERVATIONS

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DIRNAVOCEANMET SMOS

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4.0

SURFACE WINDS JAN 78 0

3.4

MEAN WIND SPEED

28 - 33

22 - 27

17 - 21

11 . 16

7 . 10

4.0

-3

KNTS)

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2.0

2.0

N N N

3.8

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100.0

SURFACE WINDS

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NOURS (L.S.T.)

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

IMAKUNI, JAPAN

ALL WEATHER

YEARS

CONDITION

*	3.3	0.4	4.0	1.3	•	4	2	2.0	 0.9	12.7	14.7	12.0	1.3	
95														
48 - 55	Ī													
4.0														
34 - 40														

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

31

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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43324 STATION

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0 0 0

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1.3

1.3

SW WSW

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SSE

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4 6 2 5

WNW

*

0

VARBL

CALM

N N

0

0

5.3

21.3

40.0

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S E

HOURS (L.S.T.)

APR

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

IWAKUNI, JAPAN

WEATHER CLASS

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CONDITION

SPEED (KNTS) DIR.	1:3	• •	7 - 10	1 . 16	17 - 21	22 · 27	28 · 33	34 · 40	4 . 0	48 - 55	% AI	×	MEAN WIND SPEED
z	2.0											2.7	3.0
N N	2.0	3.	1.3									6.7	5.0
¥		2.0		. 7								3.3	0.9
ENE	1.3											1.3	
3													
ESE													
35												•	2.0
SSE													
s	2.0	2.	1.		4.							0.9	5.8
SSW		. 7										4.	5.0
MS		2.0										2.7	0.4
MSM		1.3	2.0									E*E	7.2
*	0.8	3.3										12.7	3.5
WNW	16.7	0.0										22.7	2.8
WW	E.7	0.4										11.3	2.9
MNN		.,										1.3	3.0
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	\bigvee	24.7							
	42.0	26.7	4.7	1.3	7.							10000	2,8

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

















150

TOTAL NUMBER OF OBSERVATIONS



5702 SURFACE WINDS JAN 78

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

KUNI, JAPAN	73-77	APR
STATION NAME	YEARS	MONTH
	ALL WEATHER	90
	CLASS	HOURS (L.S.T.)
	COMBITION	

KNTS)	£:-	• •	7 - 10	11 . 16	17 . 21	22 - 27	28 · 33	34 . 40	41.47	48 - 55	VI 95	×	MEAN WIND SPEED
z	2.7											3.3	2.4
Z Z	2.7	3.3	1.3									7.3	4 . B
w Z	1.3											1,3	2.0
ENE													4.0
ESE													
SE													
SSE													-
•												1.3	*
SSW													3
*S			1.3									2.0	6.3
WSW	1.3		1.3									3.3	5.5
*	6.1	0.4		1.3								12.7	4.4
WNW	19.3											20.7	2
×	11.3	4.7										16.0	2.9
NNN	0.4											5.3	
VARBL													
CALM	\bigvee	X	X	X	\bigvee	24.7							
	47.3	21.3	5.3	1.3								100.0	2

TOTAL NUMBER OF OBSERVATIONS

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PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00 HOURS (L.S.T.) APR. 73-77 ALL WEATHER CONDITION IMAKUNIS JAPAN

SPEED (KNTS) DIR.	1.3	;	7 - 10	1 · 16	17 . 21	22 - 27	28 - 33	34 - 40	41.4	48 . 55	8 6	*	MEAN WIND SPEED
z	6.7	1.3	1.									8.7	3.3
Z	6.7	6.7	0									17.3	4.3
¥	, ,	0.0	5.3	4.								16.7	5.4
ENE	0.4											0.9	2.9
-	7.3											10.0	2.7
ESE	2.7											3.3	2.6
25												1.3	3.5
SSE	-												2.0
•		2.0		1.								3,3	6.2
SSW	2.0											2.7	3,3
AS		2.0										2.7	5,5
WSW		1.3	. 7									2.0	6.3
*	1.3	5.3	2.7	1.								10.0	0.0
WWW	3.3											3.3	2.2
*			.7									1.3	5.5
NNA													2.0
VARBL													
CALM	\bigvee	X	X	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	10.0	
	42.0	31.3	14.7	2.0								1000	3,6

0

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

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0

43324

DIRNAVOCEANMET SMOS

150

TOTAL NUMBER OF OBSERVATIONS

0

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

APR	MONTH	12	HOURS (L.S.T.)	
73-77	YEARS	ALL WEATHER	CLASS	СОМВІТІОМ
AKUNI, JAPAN	STATION NAME			

MEAN WIND SPEED	2.8	4.2	5.0	5.0	3.8	3.3	5.4	5.1	4.9	2.0	10.7	9.7	5.2		3.0				4 4
×	3.3	3.3	0.5	0.4	20.0	13.3	13.3	15.3	7.3		2.0	4.7	0.4					0.9	0 000
N 86																		\bigvee	
48 - 55																		X	
41.4																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27							4.											\bigvee	8
17 - 21											1.							\bigvee	Eur .
11 . 16												2.0						\bigvee	2,2
7 - 10		. 7			2.0		1.3	3.3			. 1		1.3					\bigvee	
4.6	1.3	2.0	2.0	2.7		5.3	6.7	8.0	3.3			2.0						X	
.:3	2.0				6.9	8.0	4.7	4.0	2.1		1.		1.3					X	
SPEED (KNTS) DIR.	z	NN	Z	FNE	-	ESE	SE	SSE	s	SSW	NS.	WSW	*	WNW	N.	NNW	VARBL	CALM	

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

STATION

0 0

SURFACE WINDS

8 E 8

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

STATION NAME

INAKUMI, JAPAN

YEARS

1.5 HOURS (L.S.T.)

APR

SPEED (KNTS)	1.3	9.4	7 . 10	91 . 11	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% A1	*	MEAN
DIR.													SPEED
z	۲.											1.	2.0
NNE	1.3		1.3									3.3	4.3
Z.	2.0	2.7										4.7	3.7
E E	2.0	2.7										4.7	3.3
	4.7	2.7	. 7									8.0	3.6
ESE	5.3	2.7	2.0									10.0	4.2
35	5.3	3.3	3,3									12.0	4.8
SSE	3.3	8.7	0.9									18.7	5.7
s	1.3	6.3	3.3	.7								14.7	5.9
SSW		7.	1.3									2.0	7.7
SW			1.3									2.0	7.0
WSW		1.3	2.0	2.7								0.9	0.6
*		1.3	1.3	.7								3.3	7.8
WWW			. 7										0.6
WW			. 7	.7								2.0	9.3
NN.													

TOTAL NUMBER OF OBSERVATIONS

150

5.1

100.0

24.0

26.0

VARBL CALM

0

0

0

0

0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

43324 STATION

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PERCENTAGE FREQUENCY OF WIND

FROM HOURLY OBSERVATIONS) NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

APR	MONTH	18	NOURS (L.S.T.)		
73-77	YEARS	ALL WEATHER	CLASS	CONDITION	
VAKUNI, JAPAN	STATION NAME				
I WAKUNI.					

SPEED (KNTS) DIR.	: ·	• •	7 . 10	11 . 16	17 - 21	22 - 27	28 . 33	34 . 40	41.47	48 . 55	% AI	×	MEAN WIND SPEED
z	3.3	2.7	7.									6.7	3.6
N.	2.0	3.3										5.3	3,5
Z	2.0											4.7	4.0
ENE	2.0											2,0	2.0
	2.7	1.	1.3									4.7	4.6
ESE	2.7											3.3	2.2
SE	2.0	2.7										4.7	3.7
SSE	6.7	1.3										8.0	2.8
8	6.7	F. 7										15,3	4.1
SSW	4.7	3.3										8.0	3.5
SW			3,3									0.4	6.7
WSW			1.3									2.0	7.3
*		4.0	1.3	1.								6.7	5.9
WWW	1.3	2.0										3.3	4.2
ž		2.0										2.0	5.0
N. N.		1.3										1,3	0.4
VARBL													
CALM	X	X	\bigvee	X	\bigvee	18.0							
	38.0	34.0	8.7	1,3								100.0	3.3

SMOS DIRNAVOCEANMET

STATION

*

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

APR	MONTH	21	HOURS (L.S.T.)	
73-77	YEARS	ALL WEATHER	CLASS	CONDITION
JAPAN	STATION NAME			
IMAKUNI, JAPAN				

	•		7 - 10 11 - 16 17 - 21	
			٠,	3.3
			۲.	7. 7.2
		4.	۲. ۲.	r. r.
				1.3
		٠.	۲. ۲.	1.3 . T.
				2.0
				٠,
			r. r.	3.3
				2.0 .7
				0.,
X		\bigvee		
		0.0	200	

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

ALL HOURS (L.S.T.)

APR

SURFACE WINDS JAN 78

SURFACE WINDS

0 =

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

73-77

IMAKUNI, JAPAN

43324 STATION

CONDITION

MEAN WIND SPEED	3.3	4.4	2.0	3.1	3.5	3.4	4.3	4.0	2.0	4.1	6.1	6.9	4.6	5.9	3.2	3.0			3.3
*	6.9	4.0	6.4	2.7	5.7	3.9	0.4	5.5	7.2	5.4	2.2	0.4	80	9.6	0.9	1.6		20.1	100.0
99 Al																		X	
48 - 55																		X	
41 . 47																		\bigvee	
34 · 40																		X	
28 - 33																		X	
22 - 27							-											X	
17 . 21									-		-							X	.2
91 . 11			.2	7.				7:	*.			۲.	·.		7.			X	2.1
7 . 10	.2	1.2	6.			2.	5.	1.2		2.	6.	7:1	1.3	.2	.2			X	9.7
• •	7.7	5.9	2.2	1.0			1:1	2.3	3.5	1.0		1:1	3.6	2.5	1:1			X	29.7
3	2.7	2.2	1.6	1.6	3.2	2.4	1.7	1.9	2.4	1.2		0.	3.7	6.9	4.1	0.		X	37.6
SPEED (KNTS) DIR.	z	NZ.	ž	S.		ESE	35	SSE	•	SSW	×S.	WSW	*	WWW	¥	NNN	VARBL	CALM	

1200

TOTAL NUMBER OF OBSERVATIONS

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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

3338

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS) NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

The second secon	13=11
YEARS	
	ALL WEATHER
	CIASS
	CONDITION

DIRNAVOCEANMET SMOS

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TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER IWAKUNIS JAPAN

CONDITION

NOURS (L.S.T.)

MAY

YEARS

MEAN WIND SPEED	3.8	4.1	0.0	0.4		2.0		4.5	4.1	5.0	4.0	4.6	4.9	2.6	2.7	2.8			2.6
×	5.2	0.6	1.3	9.		1.9		1.3	1.9	1.3	9.	3.2	7.7	21.9	13.5	8.4		51.9	100.0
95 Al																		X	,
48 - 55																		X	
41.4																		X	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		X	
12 - 71			Y										9.					X	9.
1 te																		X	
7 . 10	9.	1.9							9.	9.		0.		9.	9.			X	30
9.+	1.9	2.6	9.	0.				5.	9.		9.	9.	4.3	3.2	2.6	3.2		X	21.9
6:-	2.6	4.3	9.			1.9		9.	9.	9.		1.9	2.6	18.1	10,3	5.2		X	49.7
SPEED (KNTS) DIR.	z	NN	ž	ENE	9	ESE	38	358	8	SSW	NS.	WSW	*	WNW	NN	MNN	VARBL	CALM	

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155

TOTAL NUMBER OF OBSERVATIONS

SOMS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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43324 STATION

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155

TOTAL NUMBER OF OBSERVATIONS

HOU

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

0

SURFACE WINDS

ALL WEATHER

73-77

YEARS

06 HOURS (L.S.T.) MAY

CONDITION

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SPEED (KNTS) DIR.	::	•	7 . 10	51.1	17 . 21	22 - 27	28 · 33	34 - 40	41 - 47	48 - 55	% %	*	MEAN WIND SPEED
z	3.9	1.9	1.3									7.1	0.4
N N	3.2	9.	2.6									6.5	4.6
Z	1.9	9.										2.6	3.5
ENE	1.3											1.3	2.0
3	s.											9.	3.0
ESE	5											9.	2.0
35													
SSE		9.										9.	0.9
s	1.9											1.9	2.0
SSW	9.											9.	2.0
SW	1.9	o.	0.									3.2	4.2
WSW	9.	9.										1.3	3.5
*	6.5	1.9	9.									0.6	3,1
WNW	13.5	4.5										18.1	2.9
WW	6.7	4.5										14.2	2.7
NNW	3.9	1.3	9.									5,8	3.6
VARBL													
CALM	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	X	\bigvee	26.5	
	50.3	17.4	8.8									100.0	2.4

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DIRNAVOCEANMET SMOS

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43324 STATION

IMAKUMIS JAPAN

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11 . 16

7 - 10

SPEED (KNTS) DIR.

Z

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WINDS SURFACE

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

IMAKUNI, JAPAN

ALL WEATHER

HOURS (LS.T.)

MAY MONTH

YEARS

CONDITION

3.3 6.0 3.7 4.5 4.1 3.0 3.9 5.0 3,2 MEAN WIND SPEED 12.9 10000 0.6 3.2 3.3 1.9 128 . 55 4 . 47 7 34 - 40 . 33 28 . 27 22 17 - 21

•

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400

WSW

0

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3

WNW ¥ × VARBL CALM

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1.3

SSW

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32.3

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TOTAL NUMBER OF OBSERVATIONS

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DIRNAVOCEANMET

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

IMAKUNI JAPAN

43324 STATION

YEARS

ALL WEATHER

12 HOURS (1.5.T.)

MAY

0

COMBITION

MEAN WIND SPEED	3 3.5	5 3.3	.9 3.0	2 4.5	3.2	4.1	3.8	3	3 4.9	3 6.0		3 10.5	0.9 9.	4	80	0.4 0.		7	
*	-1	9	1.	5.2	0.6	73.4	17.4	14.2	10.3	1.	3.2	1.	•	1.3	9.	•		1.1	
% AI																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 · 40																		\bigvee	
28 - 33																		\bigvee	
22 - 22																		\bigvee	1
17 . 21																		\bigvee	
11 . 16				9.					0.			9.						X	
7 . 10		9.				2.6	9.	1.3	9.	9.	9.	0.		1.3	9.			X	
*:	0.	1.9	0.	1.9	3.9	7.1	4.8	7.7	6.5	9.	1.9		9.			9.		X	
	0.	3.9	1.3	5.6	5.2	7.7	8.4	5.5	2.6		9.							X	
SPEED (KNTS) DIR.	z	N N	¥	ENE	-	ESE	*	SSE	•	SSW	SW	WSW	*	WNW	¥	NN.	VARBL	CALM	

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

0

0

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0

0

155

TOTAL NUMBER OF OBSERVATIONS

0

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

	MAY	MONTH	15	NOURS (L.S.T.)	
(TROM HOOKE OBSERVATIONS)	73-77	YEARS	ALL VEATHER	trass	CONDITION
	JAPAN	STATION NAME			
	IMAKUNI, JAPAN				

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

STATION

TOTAL NUMBER OF OBSERVATIONS

10.0

MEAN WIND SPEED

12 56

3.4

3.2

SURFACE WINDS

9000

0

0

18 HOURS (LS.T.)

MAY MONTH

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

ALL WEATHER

YEARS

CONDITION

> . 27 22

17 - 21

11 - 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

Z

a Z

0

0 60

4.4 6.9 3.6 86.220 17.4 100.0

5.2 3.3

6.8

TOTAL NUMBER OF OBSERVATIONS

9 =

155

CI D

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0 0

122

4.5

1.3

SSW WSW WSW

1.3 5.1 . .

0

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2000

25 SS SS S

0

WNW WNW

*

VARBL

CALM

0

16.8

25.8

39.4

0

0

DIRNAVOCEANMET SMOS

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IMAKUNI, JAPAN

43324 STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2 SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS), IWAKUNI--ETC(U) JUL 78 AD-A060 537 UNCLASSIFIED NL 2 OF 4 ADA 060537 瓢

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

ALL WEATHER

YEARS

NOURS (LS.T.)

MAY

CLASS

4.0

..3

SPEED (KNTS) DIR. N N N

0

32 %

WEAN WIND SPEED	3.6	5.4	2.3	2.0	1.0	1.0	2.5	4.3	5.7	2.0	3.7	0.4	2.9	3.0	2.0			2.2
*	5.5	5.2	1.9	9.	9.	9.	1.3	1.	1.9	9.	1.9	11.0	14.8	6.9	1.3	30.62		100.0
% AI																	X	
48 - 55																		
41 - 47																		
34 - 40																		
28 - 33																		
22 - 22																	X	
17 - 21																		
11 . 16																	X	
7 . 10	1.3	1.3				1		1.9				1.3	•				X	7.1
	0	0	0	1	1		0	0	0	1	1	-	7	3		1	1	-

0

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155

TOTAL NUMBER OF OBSERVATIONS

VARBL

CALM

0

0

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NW WNN

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WSW

×S.

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SSW

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DIRNAVOCEANMET SMOS

12515 6518

20

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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IMAKUNI, JAPAN

43324 STATION

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PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MEAN WIND SPEED	3.5	4.6	0.4	3.6	3.2	3.7	3.7	***	4.7	4.3	5.3	5.6	4.4	3.1	3.1	3.3			3.1
*	4.2	6.1	0.4	2.7	3.9	5.7	5.2	0.9	7.8	2.4	2.2	2.3	6.9	4.6	7.0	3,3		21.2	100.0
%																		X	
48 - 55																		X	
41 . 47																		X	
34 - 40																		\bigvee	
28 - 33																		X	
22 - 27																		X	
17 . 21													1.					X	-
1 · 16			-:	.2						7.		.2	.2					X	1.0
7 - 10	in.	1.4	*	7.	-:	9.	.2	•	1.3	•	1.		۲.	9.	. 5	.2		X	0
:	1.2	5.4	1.4		1.4	1.9	2.2	3.1	3.1	3.	1.0	6.	2.4	2.1	2.0	1.0		X	27.2
::	2.5	2.3	2.2	1.8	5.4	3.2	2.7	2.3	3.1	1.4			3.0	6.8	4.5	2.0		X	41.5
SPEED (KNTS) DIR.	z	N N N	¥	ENE	-	ESE	35	SSE		SSW	SW	WSW	*	WWW	¥	NNN	VARBL	CALM	

0

0

0

1240

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

43324 STATION

0

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0

73-77

IMAKUNI, JAPAN

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

ALL HOURS (L.S.T.)

MAY

YEARS

ALL WEATHER

0

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8 E 0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NOT	MONTH	00	NOURS (L.S.T.)		
73-77	YEARS	ALL WEATHER	CLASS	CONDITION	
AKUNI, JAPAN	STATION NAME				

MEAN WIND SPEED	2.0 4.0	4.0 2.7	2.7 3.8	.7 3.0					.3 5.5	2.0 3.3	2.0 2.7	3.3 4.2	9.2 0.	.3 2.5	.3 2.6	.3 2.4		0.	0. 1.9
*	2	4	2						1	2	2	•	10.0	23,3	11	3		34.0	100.0
8 8																		\bigvee	
48 - 55																		\bigvee	
41 . 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		X	
22 - 27																		\bigvee	
17 - 21																		X	
11 . 16																		X	
7 . 10																		X	2.0
:		1.3	2.0										2.7		2.7			X	12.0
	1.3	2.7								. 7	2.0	2.7	7.3	21.3	8.7	3.3		X	52.0
SPEED (KNTS) DIR.	z	W X	¥	ENE	2	ESE	35	SSE	•	SSW	NS.	WSW	*	WWW	ž	NNN	VARBL	CALM	

0 0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0 0

95

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER CONDITION I WAKUNI, JAPAN

03 HOURS (L.S.T.)

NOT HOM

WEAN WIND SPEED	7 3.5	7 4.3	7 2.0	7 3.0	1.0		7 2.0		3 5.4			3.5	7 2.3	_	2.5			0	1.8
*	2.7	2.	•	•	•		•		3,3			1.1	8.7		12.	2.0		38.0	100
88																		X	
48 - 55																		X	
41.47																		\bigvee	
3 6																		\bigvee	
28 - 33																		\bigvee	
22 - 22																		X	
17 - 21																		X	
1.16									.7									X	4.
7 - 10														.7				X	1.3
:	1,3	2.0										٠,	.7	5.3	2.7	.7		X	16.0
:	1.3	٢.		1.	. 7		. 7		1.3			۲.	8,0	20.0	10.0	1.3		X	46.0
SPEED (KNTS) DIR.	z	NN NN	w Z	ENE	•	ESE	35	SSE	s	SSW	SW	WSW	*	WWW	*	NNN	VARBL	CALM	

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

43324

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TOTAL NUMBER OF OBSERVATIONS

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DIRNAVOCEANMET SMOS

PERCENTAGE FREQUENCY OF WIND

FROM HOURLY OBSERVATIONS)

NOT	MONTH	90	HOURE (L.S.T.	
73-77	YEAR	ALL WEATHER	CIVES	CONDITION
AKUNIS JAPAN	STATION NAME			

MEAN WIND SPEED	3.4	3,3	1.5	2.5			3.0	3.5	4.8		4.0		2.2	3.0	2.8	2.3			2.0
×	4.7	2.7	1.3	1.3				1.3	2.7				7.3	28.7	14.0	2.7		32.0	100.0
8 Al																		X	
48 - 55																		X	
41.47																		\bigvee	
34 . 45																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 . 21																		X	
11 - 16														.7				X	
7 . 10	1.																	X	-
• •	1.3	1.3						۲.			. 7			0.0	3,3			X	14.7
<u>:</u>	2.7	1.3	1.3	1.3				.7	1.3				6.7	22.0	10.7	2.7		X	81.3
SPEED (KNTS) DIR.	z	Z	¥	ENE	3	ESE	*	SSE	s	SSW	SW	WSW	*	WNW	¥	NNW	VARBL	CALM	

DIRNAVOCEANMET SMOS

3 =

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

STATION

SURFACE WINDS JAN 78 5702

SURFACE WINDS 09 HOURS (L.S.T.)

YEARS

73-77

IMAKUNI, JAPAN

43324 STATION

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ALL WEATHER

COMBITION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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SPEED		

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TOTAL NUMBER OF OBSERVATIONS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

CONT. CAPA	73-77	NOT
TION NAME	YEARS	MONTH
ALL WEATHER	ATHER	12
BRYID		HOURS (L.S.T
POLICE		

MEAN WIND SPEED	2.5	4.0	3.3	5.0	2.0	3.6	3.9		4.4	0.6	0.9	0.1	8.0	0.0					4.1
*	1.3	2.7	4.7	4.7	9.3	14.7	19.3	17.3	12.7	1.3	1.3	2.0	1.3	• 1				6.7	100.0
8																		X	
8 - 55																		X	
41.4																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	.7
22 - 27																		\bigvee	
17 - 21																		\bigvee	
11 . 16										•								X	1.3
7 . 10		. 7						3.3	2.7			6.3						X	10.7
• ;			2.1	1.3	1.3	7.3	10.7	0.1	5.3									\bigvee	39.3
	1.3	2.0	2.0	2.0	6.7	7.3	8.0	7.3	4.4									X	41.3
SPEED (KNTS) DIR.	z	N.	ž	EN EN	•	353	*	SSE	•	SSW	NS.	WSW	*	WNW	NW	NNW	VARBL	CALM	

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

15 HOURS (L.S.T.)

VINDS SURFACE 2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77

IMAKUNI, JAPAN

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ALL WEATHER

MEAN WIND SPEED 1.37 8.0 8.0 11.3 28.0 100.0 8.7 12 48 - 55 41 - 47 9 2 . 33 78 . 27 22 17 - 21 11 . 16 18.0 7 - 10 2.0 36. 4.6 20000 1.3 N N CALM MAN SSW WSW WSW VARBL 2 2 2 * .

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TOTAL NUMBER OF OBSERVATIONS

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TOTAL NUMBER OF OBSERVATIONS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

SURFACE WINDS

(FROM HOURLY OBSERVATIONS)

73-77

IMAKUNIS JAPAN

43324 STATION

ALL WEATHER

18 HOURS (L.S.T.)

NOW THE

MEAN WIND SPEED	4.3	2.8	3.8	4.8	2.7	5.9	5.3	2.6	4.1	4.8	5.6	4.5	3.7	0.9	3,3	3.5			
*	4.7	0.4	2.7	2.7	0.1	0.0	2.7	6.6	17.3	0.9	4.7	1.93	0.8	4.	2.7	1.3		E*61	
3 6 Al																		\bigvee	
48 - 55																		\bigvee	
41 . 47																		\bigvee	
34 - 40																		\bigvee	
28 · 33																		\bigvee	
22 · 27																		X	
17 - 21																		X	
1 . 16																		X	
7 - 10	1.3								2.7									X	
•	1.3	1.3			5.0		2.0	2.1	6.7	2.1	2.7		3.3					X	
::	2.0	2.7	2.0	1.3	.,	5.3		6.1	8.0	2.1			0.4		2.0			X	
SPEED (KNTS) DIR.	z	W.Z	¥	E E		ESE	SE	SSE	s	SSW	AS.	WSW	*	WWW	¥	NNN	VARBL	CALM	

DIRNAVOCEANMET SMOS

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SURFACE WINDS JAN 78

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150

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

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71 91.11 01.7	17 . 21 22 . 27	28 - 33 34 - 40	40 41 - 47	48 - 55	95 AI	*	MEAN WIND SPEED
						3,3	3.0
k• k						7.3	2.5
۲. ۲						0.4	3.2
1.3						2.7	3,3
						1.3	1.5
						1.3	3.0
							3.0
						2.7	2,3
						2.0	3.7
2.0						4.0	3.5
7. 1.9						13,3	3.7
2.0						6.9	2.8
m.						0.0	2.6
						1.3	5.0
		\bigwedge	\bigvee	X	X	40.7	

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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43324 STATION

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IMAKUNI, JAPAN

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21 HOURS (1.5.T.)

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ALL WEATHER

YEARS

73-77

CONDITION

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

ALL WEATHER COMBITION

ALL HOURS (LS.T.)

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YEARS

73-77

IMAKUNI, JAPAN

43324 STATION

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SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

IMAKUNI, JAPAN

YEARS

WEATHER ALL

CONDITION

00 HOURS (L.S.T.)

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SURFACE WINDS

MEAN WIND SPEED 3.0 8 12

48 - 55

41 - 47

34 - 40

28 - 33

22 - 27

17 - 21

11 . 16

7 - 10

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TOTAL NUMBER OF OBSERVATIONS

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43324 STATION

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DIRNAVOCEANMET

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SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

ALL WEATHER

NOUNS (L.S.T.)

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CONDITION

3.0 MEAN WIND SPEED 3.2 * 128 48 - 55

41 - 47

34 - 40

28 . 33

22 . 27

17 - 21

11 - 16

7 - 10

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SPEED (KNTS) DIR.

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TOTAL NUMBER OF OBSERVATIONS

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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

43324 STATION

IMAKUNI, JAPAN

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NOURS (L.S.T.)

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PERCENTAGE FREQUENCY OF WIND FROM HOLIRLY OBSERVATIONS DIRECTION AND SPEED

73-77	YEARS	ALL MEATHER
JAPAN	STATION NAME	
IMAKUNI, JAPAN		

WIND SPEED	2.0	3.4	2,8	5.5			2.5	15.0	4.4	3.8	2.0		4.0	2,3	2.4	1.7			1.7
*	1.3	5.2	3.8	1.3			1.3	9.	3.2	2.6	0.		3.9	19.4	11.6	1.9		43.9	0.001
95 Al																		\bigvee	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 . 46																		\bigvee	
28 · 33																		\bigvee	
2.2																		\bigvee	
17 . 21																		\bigvee	
9								9.										\bigvee	7.
7 - 10									9.	9.			•					X	
:		7.9	1.3	1.3			9.		1.9		9.		0.	1.3	1.3			X	
1.3	1.3	3.2	1.9				•		9.	1.9			2.0	18.1	10.3	1.9		X	7,67
SPEED (KNTS) DIR.	z	N.	¥	Z.	2	353	35	SSE	•	SSW	SW	WSW	*	WWW	W	NNW	VARBL	CALM	

DIRNAVOCEANMET SMOS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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TOTAL NUMBER OF OBSERVATIONS

9880

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

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SURFACE WINDS

YEARS 73-77 ALL WEATHER

09 HOURS (L.S.T.)

JU N

CONDITION

MEAN WIND SPEED	3.0	3.6	3.3	3.8	3.3	3,1	3.1	3.6	4.1	5.0	0.4	0.4	3.3						3.1
×	1.9	7.7	5.2	6.1	18.7	11.6	11.6	5.2	8.4	3.2	1.3	1.3	5.6					11.6	100.0
% %																		X	
48 - 55																		X	
41.47																		\bigvee	
34 - 46																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21																		\bigvee	
1 - 16																		\bigvee	
7 - 10									9.	1.3								X	1.9
• •		3.2	1.9	6.5	6.7	5.2	4.3	3.2	5.2	1.3	9.	0.						X	42.6
.:	1.9	4.3	3.2	3.2	0.6	6.5	7.1	1.9	2.6	5.	9.	9.	1.9					X	43.9
(KNTS) DIR.	z	W X	¥	ENE	-	ESE	35	SSE	•	SSW	SV.	WSW	*	WWW	NW	NNW	VARBL	CALM	

DIRNAVOCEANMET SMOS

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43324 STATION

IMAKUNI, JAPAN

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

VEARS

12 HOURS (L.S.T.) 3

SPEED (KNTS) DIR.

N N N

- 2 2 2

3.8 4.0 10.0 3.8 4.5 2.0 4.3 MEAN WIND SPEED 4.3 1.9 100.0 * 20 48 - 55 41 - 47 34 - 40 28 - 33 22 - 27 17 - 21 11 . 16 3.0 1.3 1.3 12.3 7 . 10 2001 50.3 4.6 W W W W W - 3

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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IMAKUNI, JAPAN

43324 STATION

SW WSW * WWW

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N X

VARBL CALM

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS JAN 78

WINDS SURFACE 9 =

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

ALL WEATHER

CONDITION

YEARS

73-77

STATION NAME

IMAKUNI, JAPAN

43324 STATION

15 HOURS (L.S.T.)

44000 200 5.0 4.0 20000 MEAN WIND SPEED 25.52 1.3 3.9 100.0 12 . 55 4 41 - 47 34 - 40 28 - 33 . 27 22 17 - 21 . 11 - 16 2.00 25.2 7 - 10 5.8 0 45.2 6.5 4.6 25.2 1.3 NNW VARBL SPEED (KNTS) DIR. * ** WSW CALM Z Z Z SS SS SS SSW SSW . z s

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

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DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

IMAKUNI, JAPAN

43324 STATION

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18 NOURS (L.S.T.)

100

SPEED (KNTS) DIR.	.:	:	7 . 10	5	17 . 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% %	*	MEAN WIND SPEED
z	1.3		9.									1.9	4.
N.	1.3				10							1.3	2.0
¥	2.6	9.										3.2	3.2
EN EN	1.9											1.9	2
	2.0	1.9										4.5	3.6
252	2.6	2.6										5.2	3.5
3	4.9	1.9	9.									7.1	3.
388	4.5	4.5	1.3									10.3	*
•	8.4	13.5										25.2	•
SSW	3.9	7.1										12.3	*
SW		1.9										1.9	5.0
WSW	1.9	2.6										4.5	3.
*		5,8	1.3									7.1	, , ,
WNW		9.										9.	, ,
NW				9.								9.	12.0
NNN	1.3											1.3	3.(
VARBL													
CALM	\bigvee	\bigvee	X	X	\bigvee	11.0							
	36.8	43.2	4.8	9.								100.0	3.6

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TOTAL NUMBER OF OBSERVATIONS

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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

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21 HOURS (L.S.T.)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL WEATHER

73-77

IMAKUMI, JAPAN

43324 STATION

	1

COMBITION

WIND SPEED	1.7	2.4	3.0			3.0	2.3	2.1	3.2	4.5	3.7	4.5	2.6	3.1	2.5	3.2			1.8
*	1.9	3.2	3.2			1.3	1.9	4.5	6.9	5.2	1.9	1.3	12.9	0.6	3.9	3.9		39.4	100.0
%																		X	
48 . 55																		X	
41 . 47																		\bigvee	
34 . 45																		\bigvee	
28 - 33																		\bigvee	
22 . 27																		\bigvee	
17 - 21																		\bigvee	
11 - 16																		\bigvee	
7 - 10			9.						9.	0.								X	1.9
*:						9.		9.	1.3	3.2	1.3	1.3	1.9	3.9	9.	1.3		X	16.8
÷:	1.9	3.2	2.6			9.	1.3	3.0	4.5	1.3			11.0	5.2	3.2	5.6		X	41.9
SPEED (KNTS) DIR.	z	Z	w X	E E	-	ESE	35	SSE	•	SSW	SW	WSW	>	WWW	¥	NNN	VARBL	CALM	

DIRNAVOCEANMET SMOS

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DIRECTION AND SPEED

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

CONDITION

ALL HOURS (L.S.T.)

YEARS

73-77

IMAKUNIS JAPAN

43324 STATION

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ALL WEATHER

NNE 2.3 .9 .2 NE 2.2 .9 .2 ENE 1.0 1.2 .1 E 2.3 2.2 .9 SE 2.9 3.6 .7 SSE 3.0 4.8 1.4 .1 SSW 1.2 1.9 1.0 .1 NW 3.5 1.5 .9 NW 3.5 .9 NW 1.2 1.5 .4 NW 1.2 1.5 .4 NW 1.2 1.5 .4 NW 1.22
2.2 2.3 2.2 2.3 2.4 2.5 2.3 2.4 4.6 1.8 1.4 1.0 1.2 1.4 1.8 1.4 1.6 1.8 1.4 1.6 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8
2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2
2.3 2.2 2.9 2.2 3.0 4.8 1.4 1.2 1.9 1.0 1.2 1.2 1.9 1.0 1.2 1.3 1.0 1.0 1.2 1.3 1.0 1.0 1.2 1.3 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9
2.9 3.5 1.2 1.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3
3.0 4.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1
3.4.4.1.8 3.4.4.4.1.8 3.4.4.4.4.1.8 3.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4
3. 7
3.5 1.08 3.3 3.5 3.
3.5 1.08 2.08 1.08 1.08 1.08
3.52 1.00
3,5 1,5
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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

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1240

TOTAL NUMBER OF OBSERVATIONS

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30

NOURS CL.S.T.)

AUG

YEARS

73-77

WINDS SURFACE

> PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER CONDITION

3.00 19.0 2.5 9.00 2.5 2.8 MEAN WIND SPEED 9. 3.2 100.0 21.9 × 12 48 - 55 41 - 47 \$ 2 . 33 28 22 - 27 0 17 - 21 11 . 16 200 3.2 . 7 - 10 23.2 4 -4 1.96 2.0 1.3 20.02 - 3 * ** SPEED (KNTS) DIR. SSW N. VARBL CALM N N N WSW SSE SSE ž SK z *

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DIRNAVOCEANMET

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TOTAL NUMBER OF OBSERVATIONS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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43324 STATION

IMAKUNI, JAPAN

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155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

200

SURFACE WINDS

	YEARS			
73-77		ALL WEATHER	CIANS	CONDITION
		ALL		
JAPAN	STATION NAME			
IMAKUNI, JAPAN				

HOURS (L.S.T.)

AUG

SPEED (KNTS) DIR.	:	• •	7 . 10	2 : 1	17 - 21	22 - 22	28 · 33	34 - 40	41 . 47	48 - 55	%	*	WIND SPEED
z	1.3											1.3	
NN	9.	1.9	1.3									6.€	5.7
NE NE	9.	2.6	9.	0.								5.4	5
ENE													
ESE													
35			0.									9.	10.0
SSE	9.											9.	e
•		1.3	9.									1.9	5
SSW		9.	•									1.3	-
SW	9.		9.									1.3	2.0
WSW		1.3										1.3	0.4
*	6.5	1.9	9.									0.6	3.1
WWW	16.8	5.2	0.									9.22	2.9
¥	11.0	5.8										16.8	2.8
NNW	3.8	9.										3.9	2.2
VARBL													
CALM	\bigvee	X	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	31.0	
	41.3	21.3	5.8	••								100.0	2.4









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43324 STATION

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NOURS (L.S.T.)

AUG

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

13-11 ALL WEATHER

IMAKUNIS JAPAN

43324 STATION

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CONDITION

YEARS

MEAN WIND SPEED	2 3.4	5 8.0		0.6 3.0			0.4 9.	9 7.3		9 3.0		3.6	5 2.8	3 2.7	3 3.0		1	0 2.6
×	3.2	4.5	4.5	•			•	1.9		1.9		6.5	26.5	21.3	1.3		27.1	100.0
95 AI																	\bigvee	
48 - 55																	\bigvee	
41 - 47																	\bigvee	
34 - 40																	\bigvee	
28 - 33																	\bigvee	
22 - 27		9.															\bigvee	9.
17 . 21																	\bigvee	
11 . 16			•					9.									\bigvee	1,3
7 . 10		9.	1.3									9.	9.	••			\bigvee	3.9
9.4	1.9	2.0	1.9				5.	1.3		9.		7.9	6.9	3.2			\bigvee	20.6
1.3	1.3	0.	9.	9.						1.3		3.9	19.4	17.4	1.3		X	46.5
SPEED (KNTS) DIR.	z	N N	ž	ENE	ESE	35	SSE	s	SSW	SW	WSW	*	WNW	X	NNW	VARBL	CALM	

*=

155

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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0

0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS) NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

AUG	MONTH	60	HOURS (L.S.T.)		
73-77	YEARS	ALL WEATHER	CLASS	CONDITION	
JAPAN	STATION NAME				
IMAKUNI, JAPAN					

:	:	7 . 10	11 . 16	17 - 21	22 - 22	28 - 33	34 . 40	4 . 4	48 - 55	% %	×	MEAN WIND SPEED
	9.	1.3									2.6	5.5
3.2	8.4	3.2				9.					15.5	5.7
5.6	11.6	2.6									16.8	5.1
4	6.5										11.0	3.9
-	6.5	9.									14.8	3.5
5.2	3.9										0.6	3.4
2.6	3.2										5.8	3.7
2.0											2.6	2.5
3.	1.3	2.6									4.5	6.3
1.3	8.										1.9	3.7
0		9.									1.3	5.0
	9.										9.	5.0
1.9	9.	•									3.2	3.8
0.											9.	3.0
•	9.										1.3	3.5
V	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	X	X	\bigvee	8.4	
34.8	44.5	11.6				9.					100.0	4.1



43324

0

0

12

155

TOTAL NUMBER OF OBSERVATIONS

0

10

0

RUND

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

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SURFACE WINDS

YEARS 73-77 ALL WEATHER IMAKUNIS JAPAN

12 HOURS (L.S.T.)

AUG

3	4:	7 - 10	11 . 16	17 . 21	22 - 22	28 - 33	34 - 40	41.47	48 - 55	8	×	MEAN WIND SPEED
0	9.	9.									1.9	5.3
2	1.3			9.							3.2	7.0
.0	3.2	1.9									5.8	5.4
75	1.3										2.6	4.0
5	7.7	9.									11.5	3.9
5	10.3	9.									12.9	4.7
5.8	10.3	2.0									18.7	4.4
4.3	11.0	5.5									50.0	5.0
4.3	7.0	1.9									8.4	4.0
-	0.	9.									1.3	5.5
		9.8									2.6	7.5
-	9.	1.3									1.9	6.7
	•	1.3									1.9	7.7
-												
-												
()	X	X	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	6.5	
24.5	49.0	19.4		9.							100.0	4.5

43324 STATION

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5702 SURFACE WINDS JAN 78

SURFACE WINDS

151

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL MEATHER

73-77

IMAKUNI, JAPAN

43324 STATION

0

0

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0

YEARS

15 HOURS (L.S.T.)

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SPEED (KNTS) DIR.	1.3	;	7 - 10	1 . 16	17 . 21	22 - 27	28 · 33	34 · 40	41 - 47	48 - 55	99 Al	×	MEAN WIND SPEED
z													
NN		1.	5.	9.								2.6	7.3
¥	1.3	1.3	1.3									3.9	5,3
ENE		9.										9.	4.0
3	4.0	9.	1.3		9.							7.1	5.1
ESE	1.9	5.8	61									4.6	4.5
35	1.9	10.3	3.6									15.5	5.3
SSE	3.9		5.2									56.5	5,2
	1.3	6.1	4.5	9.								16.1	6.3
SSW	9.	3.8										6 €	4.7
3W	9.	1,3	1.9									3.9	6.2
WSW		9.	1.9									2.6	7.3
*	1.3		9.									1.9	4.7
WNW	9.											9.	2.0
WW													
NNW	9.											9.	2.0
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	4.5	
	18.7	52.3	22.6	1.3	9.							100.0	5.2

0

0

0

0

1

DIRNAVOCEANMET SMOS

1

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

3 2 4 1 3 2 5

MEAN WIND SPEED

14.8

21.3

3.9

0

200

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 WEATHER CLASS ALL

STATION NAME

IMAKUNI, JAPAN

43324 STATION

YEARS

HOURS (L.S.T.)

AUG 18

CONDITION

	VI 85																		,
	8 - 55																		/
	9 - 14																		1
	34 - 40																		1
	28 · 33																		1
	22 - 27																		-
	17 . 21																		
	91 - 11						9.												-
	7 . 10	3.	1.9	0.		1.9			1.3	3.2	9.	0		9.			••		
	•	9.		1.3	9.		1.9	3.2	0.0	7.1	5.2	9.	1.9	1.9	¢.				
1	.:	9.	9.	1.9	5.	1.3	2.6	2.0	4.5	11.0	5.2	3.	1.9	1.3	1.3	1.3	9.		
		-	-	-	-	-	-	_	-	-	-	-	_	-	-	-		-	ĺ

TOTAL NUMBER OF OBSERVATIONS

155

13.5

10000

0

35.5

38.1

DIRNAVOCEANMET SMOS

20

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

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0

SPEED (KNTS) DIR.

(w)

25 SE SE

0

O

WNW

*

N N VARBL

WSW WSW

SSW s

CALM

E 0

21 HOURS (L.S.T.)

AUG

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS) 73-77 IMAKUNIS JAPAN NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

ALL WEATHER

CONDITION

0

0 3556

43324 STATION

0

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0 0

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0

3 =

155

TOTAL NUMBER OF OBSERVATIONS

0

0

3

0

3

SURFACE WINDS JAN 78

SURFACE WINDS

8

S E

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

YEARS

ALL HOURS (L.S.T.)

AUG

CONDITION

MEAN WIND SPEED	4.2	5.9	5.1	3.9	4.2	4.5	6.8	6.8	2.0	4.2	4.9	4.4	3.4	2.8	2.7	2.7			
*	2.5	5.7	5.9	2.2	5.1	4.8	5.9	8.5	7.3	2.7	2.1	2.0	5.8	12.0	9.8	1.5		17.6	
%																		X	
48 - 55																		X	
41 . 47																		X	
34 . 46																		\bigvee	
28 . 33		7.																X	•
22 - 27		1.																\bigvee	•
17 . 21		-			-		-											X	
91 . 1		7.	.2			7.			.2									X	
7 . 10		1.3	1:1	7.	0.			1.5	1.6	.2	٧.		5.	.2	.2	7.		X	
• •	4.	2.7	3.1	1:1	2.0		3.4	9.4	3.1	1.4	9.		1.1	2.9	1.6	. 3		X	
:	1.3	1.6	1.3	1.0	2.3	1.6	1.6	2.2	5.4	1.1	1.		3.6	8.9	9.9	1.1		X	
SPEED (KNTS) DIR.	z	N.	¥	FR		ESE	SE	SSE	s	SSW	NS.	WSW	*	WWW	¥	NNW	VARBL	CALM	-

DIRNAVOCEANMET SMOS

1240

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

IMAKUZIS CAPAZ

43324 STATION

0

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Q

150

TOTAL NUMBER OF OBSERVATIONS

0

SURFACE WINDS

=

SEP

YEARS

73-77

I WAKUNI, JAPAN

0

0

ALL WEATHER

CONDITION

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MEAN WIND SPEED	3.2	5.0	5.3	7.0				3.0	5.0	7.5	4.5	0.0	3.0	3.1	3.3	2.7			-
×	6.7	5.3	0.4					1.3	2.0	1.3	1.3		9.3	32.0	21.3	2.0		12.0	000.
% AI																		X	
48 - 55																		X	
41.47																		X	
34 - 40																		X	
28 - 33																		X	
2.2																		X	
17 . 21																		X	
1 . 16										.7								X	F .
7 . 10		2.0	. 7	. 7					.7						1.			X	5.3
• •	2.7	۲.	3.3								1.3		2.7	10.0				X	5.00
:	4.0	2.7							.7	.7			139	21.3	14.0	2.0		X	K 2 7
SPEED (KNTS) DIR.	z	N.	N.	ENE	3	182	35	356	s	SSW	SW	WSW	*	WWW	WW	NNW	VARBL	CALM	

PERCENTAGE FREQUENCY OF WIND SUCITAVABLE ORSEDVATIONS DIRECTION AND SPEED

	SEP	MONTH	60	HOURS (L.S.T.	
(FROM HOOKE) OBSERVED (SA)	73-77	YEARS	ALL WEATHER	CLASS	COMBITION
	NAGAL	STATION NAME			
	IMAKUNIS JAPA				

WEAN WIND SPEED	3.2		7 8.5	3 2.0	7 14.0			7 5.0	7 3.8	3 5.0	7 8.		7 2.8		7 2.8			3	0 3.
*	4.0	5.3	2.	1.3	•			•	2.	1.3	•		8.7	34.0	20.1	0.4		13,3	100.0
%																		\bigvee	
48 - 55																		\bigvee	
41 . 47																		\bigvee	
34 - 40																		\bigvee	
28 · 33																		\bigvee	
22 · 27																		\bigvee	
17 - 21																		\bigvee	
5 . 16																		\bigvee	4.
7 - 10		1.3	2.0						.7					1.3				\bigvee	6.7
• •		3.3								1.3			1.3	12.0	5.3	1.3		\bigvee	26.0
::	3.3			1.3					2.0				7.3	20.7	15.3	2.7		X	53.3
SPEED (KNTS) DIR.	z	N N	¥	ENE		ESE	35	SSE		SSW	SW	WSW	*	WNW	N	MNN	VARBL	CALM	

DIRNAVOCEANMET SMOS

8

B

1 =

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

0

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0

0

0

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8

SEP

-

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

06 HOURS (1.5.T.) YEARS 73-77 ALL WEATHER COMDITION IMAKUNIS JAPAN NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

MEAN WIND SPEED	4.4	4.9	4.4	2.0		12.0			3.8	0.4			2.9	3.3	3.2	2.7			2.8
*	3.3	5.3	3.3			1.3			2.7	1.3			0.9	29.3	22.0	4.0		20.7	100.0
% AI																		X	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21																		\bigvee	.,
11 . 16																		X	
7 - 10			1.3															X	2.7
:	1.3	4.0							1.3	.7			۲.	12.7	7.3			X	28.7
1.3	1.3	1.	2.0	. 7					I.3	. 7			5.3	16.7	14.7	0.4		X	47,3
SPEED (KNTS) DIR.	z	Z	¥	EK.	-	ESE	35	358	•	SSW	AS.	WSW	*	WWW	¥	NNN	VARBL	CALM	

DIRNAVOCEANMET SMOS

0

0

0

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0

0

0

3

150

TOTAL NUMBER OF OBSERVATIONS

0

43324 STATION

0

1

150

TOTAL NUMBER OF OBSERVATIONS

100

SURFACE WINDS

#

8

8

HOURS (L.S.T.)

SEP 60

YEARS

73-77

STATION NAME

IMAKUNI, JAPAN

20

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

WEATHER ALL

11 . 16

7 - 10

4 . 6

-3

0

0

0.

2.0

14.0

Z Z Z

3.3

2 3 4 4 6 5

1.3

SS SS SS

CONDITION

1 6 6 6 6 15.0 3.7 MEAN WIND SPEED 13.3 2.0 1.3 100.0 12 48 - 55 41 - 47 34 - 40 • 28 - 33 22 - 27 17 - 21

DIRNAVOCEANMET SMOS

30

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

0

0

0

0

1.3

WSW WSW

SSW

1.3

2564

MAN WAN

VARBL CALM

0

0

30

8

39.3

42.7

43324 STATION

8

0 = 0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

12 HOURS (L.S.T.)

SEP

YEARS

73-77

IMAKUNI. JAPAN

43324

CONDITION

MEAN WIND SPEED	7.0	4.5	4.9	5.1	3.4	3.9	3.9	4.3	5.5	20.0	5.0	5.0		0.9	4.3	3.5			4.2
*	2.0	8.7	10.0	8.0	12.7	14.7	14.0	10.7	0.9			2.0		4.	2.0	1.3		0.9	100.0
%																		\bigvee	
48 - 55																		\bigvee	
41.47																		\bigvee	
34 - 40																		\bigvee	
28 · 33																		\bigvee	
22 - 27																		\bigvee	
17 . 21																		\bigvee	.7
9									.7									X	7.
7 . 10	1.3		2.7	2.0		1.3	. 7		. 7									X	12.0
:		4.7	3.3	4.0	5.3	0.9	6.7	6.1	2.0						1.3			X	44.0
:	1.	2.7	0.4	2.0	5.7	7.3	4.7	3.3	2.7			1.3			.7	. 7		X	36.7
SPEED (KNTS) DIR.	z	Z	¥	Z.		ESE	35	SSE	9	SSW	*	WSW	*	WWW	2	MNW	TO TO	CALM	

0

0

0

3 =

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

0

0

0

0

0

0

0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

20

(FROM HOURLY OBSERVATIONS)

IMAKUNI, JAPAN

43324 STATION

0

0

0

73-77 ALL WEATHER

15 HOURS (L.S.T.)

SEP

COMBITION

WIND	5.3	7.0	4.4	0.4	4.2	3.3	4.2	6.4	5.1	5.2	6.7	6.7	4.7	4.5		13.0			4.5
*	2.7	2.0	0.9	1.3	0.0	8.0	10.7	21.3	22.7	3.3	2.0	2.0	2.0	1.3		4.		8.0	100.0
%																		M	
48 . 55																		X	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		X	
17 - 21																		X	
11 . 16												۲.				1.		X	2.0
7 - 10		2.0			1.3			4.0	5.3	.,	1.3							X	16.0
• ;	2.0		0.4		2.0	2.7	00	10.7	12.7	2.7			2.0	1.3				X	50.7
1.3			1.3	1.	2.7	5.3	2.0	6.0	4.7									X	23.3
SPEED (KNTS) DIR.	z	N N	¥	ENE		ESE	35	SSE	s	SSW	SW	WSW	*	WNW	N.	NNW	VARBL	CALM	

150

TOTAL NUMBER OF OBSERVATIONS

0

0

8 E 8

NOURS (L.S.T.)

SEP

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER INAKUNIS JAPAN

CONDITION

MEAN WIND SPEED	8.6	3.9	9.0	3.0	4.6	4.0	3,3	4.3	2.9	2.7	4.3	3.3	3.5	6.3	2.4	4.5			3.2
*	4.7	10.7	1.3	2.7	3.3	2.7	2.7	6.3	14.7	0.9	0.4	2.7	6.7	2.7	3.3	2.7		20.0	100.0
% AI																		\bigvee	
48 - 55																		\bigvee	
41 . 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27	.,																	\bigvee	.,
17 - 21																		\bigvee	
11 - 16	1.																	\bigvee	.7
7 . 10	1.3	.7	1.3		. 7	.7		1.3	. 7	.,	.,	. 7		.,		.,		\bigvee	10.0
•	1.3	5.3		•	1.3		•		2.	•	2.0		2.	-1		1.3		\bigvee	26.0
1.3	.7	4.7		2.0	1.3	2.0	2.0	2.7	11.3	4.7	1.3	2.0	0.4		2.7			\bigvee	42.7
SPEED (KNTS) DIR.	z	NN.	¥	Z	3	ESE	38	SSE	•	SSW	AS.	WSW	*	WWW	ž	NNN	VARBL	CALM	

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0 0

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• =

150

TOTAL NUMBER OF OBSERVATIONS

JEE

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

E

SURFACE WINDS

73-77 ALL WEATHER

YEARS

21 HOURS (L.S.T.)

SEP

CONDITION

DIRNAVOCEANMET SMOS

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43324

IMAKUNI, JAPAN

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0

MEAN WIND SPEED

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5.1 4.1 4.0

4.5

4.8

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1.2

1.01

- 2 2 3

SURFACE WINDS

2 = 0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

STATION MAME

IMAKUNI, JAPAN

43324 STATION

WEATHER CLASS

YEARS

CONDITION

ALL HOURS (L.S.T.)

SEP

1.3 4.6 7.10 11.16 17.21 22.27 28.33 34.40 41.47 48.55 2.2 1.4 .7 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	% AI				
NAS 3	48 - 55				
NAS 3	41 - 47				
NAS 3	34 - 40				
NAS 3	28 - 33				
NAS 3	22 - 27				
NAS 3	17 . 21				
NAS 3	91 - 11	.1			
NAS 3	7 . 10	.7	1.6	1.6	4.
NAS 3	9.7	1.4	4.4	2.3	1.1
		2.2	2.5	1.1	1.4

TOTAL NUMBER OF OBSERVATIONS

1200

3.4

100.0

13.7

3.3

3.1

3.2

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC









0

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0

SPEED (KNTS) DIR.

SSW WSW WSW

•

0

0

2.2

WWW.

N N VARBL CALM

8.2

33.5

43.5

3.2

5702 SURFACE WINDS JAN 78 5.6

MEAN WIND SPEED

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28 - 33

22 . 27

17 - 21

11 . 16

7 - 10

4.6

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SPEED (KNTS) DIR.

3.2

2.6

NN

Z Z

SURFACE WINDS

8

0

HOURS (L.S.T.)

DCT HONTH

0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

IMAKUNI, JAPAN

43324 STATION

73-77

ALL MEATHER

YEARS

36.1 11.0 128 . 55 4 41 - 47 34 - 40

0

3.7

3.3

0

3.4

3

3.2

100.0

TOTAL NUMBER OF OBSERVATIONS

1 =

155

DIRNAVOCEANMET SMOS

20

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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25 32 32

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WSW * WW

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SSW SSE

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NN W VARBL CALM

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48.4

HOURS (L.S.T.)

UCT HONTH

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 IWAKUNIS JAPAN

ALL WEATHER CONDITION

MEAN WIND SPEED	4.3	5.7	6.3	10.0			8.0		4.0			2,8	3.4	3.1	2.3			2.3
×	5.5	6.9	2.6	9.			9.		9.		9.	12.9	32.9	27.1	2.6		7.7	0 001
3 5																	X	
48 - 55																	\bigvee	
41 - 47																	\bigvee	
34 . 40																	\bigvee	
28 - 33																	\bigvee	
22 . 27																	X	
17 - 21																	X	
11 - 16																	X	
7 - 10		2.6	1.3	•			9.						1.3	9.			X	3.6
:	3.2	2.6	-						9.		9.	3.2	11.6	4.8			X	31.6
1:3	1.9	1.3										6.7	20.0	18.1	2.6		X	2
SPEED (KNTS) DIR.	z	N X	¥	E	ESE	35	SSE	5	SSW	NS W	WSW	>	WWW	ž	NNN	VARBL	CALM	

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19

0

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3

3

13

155

TOTAL NUMBER OF OBSERVATIONS

8

8

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

3226

43324 STATION

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PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

100	MON	90	HOURS (I.	
73-77	YEARS	ALL MEATHER	CLASS	CONDITION
JAPAN	STATION NAME			
WAKUNI				

MEAN WIND SPEED	5.3	6.2								3.0		3.1	3.2	•				3.4
*	2.6	6.5	3.2							••		11.6	45.6	19.4	4.5		0.6	100.0
% Al																	\bigvee	
48 - 55																	X	
4 . 4																	\bigvee	
34 . 46																	\bigvee	
28 · 33																	\bigvee	
22 - 27																	\bigvee	
17 - 21			9.														X	9.
11 - 16		0.															X	9.
7 . 10	9.	1.3	9.									5	9.	•			X	4.5
4:4	1.3	4.5	1.9									4.5	14.8	6.5	5.6		X	36.1
:	0.									9.		6.9	27.1	12.3	1.9		X	49.0
SPEED (KNTS) DIR.	z	NN	¥Z	34	ESE	25	SSE	s	SSW	SW	WSW	*	WNW	¥	NNN	VARBL	CALM	

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

STATION

1

15 1

8

HOURS CLS.T.

100 MONTH

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

IMAKUNI, JAPAN

ALL WEATHER

4 5 5 5 5 2,5 MEAN WIND SPEED 1.3 3.9 21.3 9. 12.9 3.2 1.3 100.0 * 12 48 - 55 41 - 47 34 - 40 28 - 33 22 - 27 17 - 21 9. 9. 11 . 16 200 16.8 3.2 0 7 . 10 3.2 2.6 29.0 3 4.0 2000 40.0 -

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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43324

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SPEED (KNTS) DIR.

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VARBL CALM

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155

TOTAL NUMBER OF OBSERVATIONS

3

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

73-77

IMAKUNI, JAPAN

43324 MATTON

YEARS

12

UCT WONTH

CONDITION

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SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 . 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	8	*	MEAN WIND SPEED
2	3.9	2.6	1.9									3.6	4.4
NN	1.3	3.9	4.5									4.4	6.3
	2.6	6.7	4.5	9.								17.4	5.7
FE	4.5	5.2	2.6									12.3	4.6
	7.1	3.9										11.0	3.3
ESE	4.5	4.3										0.6	3.6
	3.2	3.2										6.5	3.6
SSE	1.9	2.6	5.									2.5	4.1
9			0									9.	8.0
SSW		\$.										9.	4.0
SW	9.	9.										1.3	3.0
WSW	2.6		1.3									3.9	4.2
*		2.0	1.9									4.5	0.9
WWW	0.	1.3										1.9	4.3
*	1.3		9.									1.9	4.0
NNN	9.	9.										1.3	0.4
VARBL													
CALM	\bigvee	\bigvee	X	\bigvee	6.4								
	34.8	41.3	18.7	9.								10000	4.4

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

1556

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155

TOTAL NUMBER OF OBSERVATIONS

5702 SURFACE WINDS JAN 78

SURFACE WINDS

F

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

YEARS

15 HOURS (L.S.T.)

DCT WONTH

CONDITION

MEAN WIND SPEED	12.0	5.8	5.2	4.3	3.1	2.7	3.2	4.1	4.4	4.7	2.0	4.0	4.8	5.8	0.6	4.3			4.1
*	9.	10.3	11.0	2.6	8.4	6.9	11.0	14.2	0.6	1.9	9.	6.9	3.2	2.6	9.	1.9		0.6	100.0
%																		X	
48 . 55																		X	
41 - 47																		\bigvee	
34 - 46																		\bigvee	
28 - 33																		\bigvee	
22 - 22																		\bigvee	
17 . 21																		X	
11 . 16	9.	1.3										9.		9.				X	3.2
7 . 10		2.6	3.2				9.	9.	9.			1.3			9.	9.		X	10.3
•		3.2	4.5	1.9	5.6	1.3	3.2	4.8	5.5	1.3		4.5	5.6	1.3		9.		$\langle \rangle$	40.6
:		3.2	3.2	•	5.8	5.2	7.1	5.2	3.2	9.	9.		•	0.		٥.		X	36.8
SPEED (KNTS) DIR.	z	W X	¥	FE		ESE	35	SSE	s	SSW	SW	WSW	*	WWW	¥	NNN	VARBL	CALM	

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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IMAKUNI, JAPAN

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TOTAL NUMBER OF OBSERVATIONS

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MEAN WIND SPEED

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17 - 21

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KNTS)

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WINDS SURFACE

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18 HOURS (L.S.T.)

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

YEARS

INAKUNI, JAPAN

43324 STATION

73-77

COMBITION

TOTAL NUMBER OF OBSERVATIONS

155

2.8

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DIRNAVOCEANMET SMOS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

VEARS

21 HOURS (1.5.T.)

DCT NOW

CONDITION

SPEED 1 · 3 DIR.	:	7 - 10	2 :	17 . 21	22 - 27	28 - 33	34 - 40	4.4	48 - 55	% AI	×	MEAN WIND SPEED
7	.3 1.3	3.9	9.								7.1	6.5
NN	2.6	2.0	9.								5.8	7.1
¥	.6 1.9										3.9	5.8
N.	.6 1.3										1.9	4.3
182												
356												
•	9.										9.	0.9
ssw 1	.3										1.3	1.0
NS W												
WSW	9.										1.3	4.0
	5.8 5.2	9.									11.6	3.6
	9.41 11.6										31.0	2.9
1	3.5 2.6	9.									16.8	2.9
	5.8 1.3										7.1	2,5
VARBL												
CALM	$\langle \rangle$	X	X	X	X	X	X	\bigvee	\bigvee	\bigvee	11.6	
64	49.0 29.0	0.6	1.3								100.0	3.3

30

3

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

43324 STATION

I WAKUNIS JAPAN

1526

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ALL HOURS (LS.T.)

DCT NOW

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77

IMAKUNI, JAPAN

43324 states

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ALL WEATHER

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1240

TOTAL NUMBER OF OBSERVATIONS

200

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

NOURS (L.S.T.) NON 73-77 ALL WEATHER IMAKUNI, JAPAN

(KNTS) DIR.	::	:	7 . 10	3 16	7.2	22 - 27	28 - 33	34 . 40	41.4	48 - 55	%	*	MEAN WIND SPEED
z	1.3	1.3	.7									3.3	5.0
NNE		9535001	1.3	.7								4.7	7.0
Z.			2.7									0.9	6.1
•													
ESE													
35													
388													
8													
SSW													
SW		E * T										2.0	3.7
WSW		2.0										2.7	3.5
*	7.3		2.0									15.3	6.5
WNW	18.0	17.3										36.0	3.4
K	10.0	20										18.7	3.3
NNW	2.0											2.0	2.7
VARBL													
CALM	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	X	X	6.3	
	6.1.3	40.7	7.3	1.3								000	7 6

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

43324 STATION

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3 =

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

SURFACE WINDS

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

COMBITION

NOURS (L.S.T.)

>DN MONTH

SPEED (KNTS) DIR.	6:-	•	7 - 10	91 . 11	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	% AI	×	WIND SPEED
z	2.0	0.4										6.7	4.3
N.	•		0.4									5.3	7.8
¥			1.3									2.0	0.9
ENE													
-													
ESE													
*													
SSE													
s													2.0
SSW													
SW													3.0
WSW		1.3	1.3									2.7	6.8
*	10.0	2.7	٠,									13.3	3.0
WNW	16.7	15.3	1.3									33.3	3.5
NW	6.9	8.7	1.3									19.3	3.6
NNN	3.3	1.3										4.7	2,
VARBL													
CALM	\bigvee	\bigvee	X	\bigvee	11.3								
	44.0	34.0	10.7									100.0	3.4

3 =

SMOS DIRNAVOCEANMET

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43324 STATION

IMAKUNI, JAPAN

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150

TOTAL NUMBER OF OBSERVATIONS

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3.408

20.0 20.0 5.3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

73-77

YEARS

CONDITION

2 4 8 C MEAN WIND SPEED 4.0 12 48 - 55 41 - 47 34 - 40 28 . 33

22 - 27

17 . 21

11 - 16

7 - 10

1.3

303

150 3.4 100.0

8.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

0

IMAKUNI, JAPAN

0

0

- 2 2 2 -

1.3

SSW WSW WSW WWW

2.7

11.3

NW VARBL

CALM

8.0

31,3

52.0

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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HOURS (L.S.T.)

NOV

YEARS

73-77

IMAKUNIS JAPAN

43324 STATION

0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

CONDITION

ALL WEATHER

1	
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MEAN WIND SPEED	5.1	5.8	8.0	8.0			7.0		0.	6.3	4.0	3.9	3.0	2.6	4.2			3.9
*	5.3	14.0	0.4							2.0	4.7	20.0	25.3	12.7	4.0		0.9	100.0
%																	\bigvee	
48 - 55																	\bigvee	
41.4																	\bigvee	
34 . 45																	\bigvee	
28 - 33																	\bigvee	
22 - 27																	\bigvee	
17 . 21																	X	
11 . 16		. 7															X	.7
7 . 10	1.3	3.3	0.4	.7			.,					2.0					X	13.3
• •	2.7	8.0							1.	1.3	1.3	8.7	7.3	2.0	3.3		X	35.3
::	1.3	2.0									2.7	6.0	18.0	10.7			X	44.7
SPEED (KNTS) DIR.	z	×	Z	ENE	ESE	35	SSE	s	SSW	SW	WSW	>	WNW	×	NNN	VARBL	CALM	

0

100

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3

150

TOTAL NUMBER OF OBSERVATIONS

3

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DIRNAVOCEANMET SMOS

81

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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10.7

3.6

12 HOURS (L.S.T.)

SURFACE WINDS JAN 78 5702

MEAN WIND SPEED

*

128

48 - 55

41 . 47

34 - 40

28 - 33

22 - 27

17 - 21

11 - 16

7 - 10

- 3

SPEED ENTS

7 7 7 7

3.3

Z Z Z Z Z Z Z Z Z Z

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PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

• 5

SURFACE WINDS

73-77

INAKUNI, JAPAN

43324

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NON

ALL WEATHER

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WSW WSW

SSW

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TOTAL NUMBER OF OBSERVATIONS

150

4.8

6.7

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

IMAKUNI, JAPAN

YEARS

ALL WEATHER

15 HOURS (L.S.T.)

NON

CONDITION

MEAN WIND SPEED	5.8	7.0	6.9	3,1	3.7	3.4	3,3	3.3	3.4	4.3	5.5		5,5	6.1	9.9	6.0		. 7
×	0.9	6.7	0.9	6.7	6.7	5.3	5.3	0.9	8.7	4.0	0.4	0.9	5.3	10.0	4.7	3.3	5,3	0001
%																	X	
48 - 55																	\bigvee	
41.47																	\bigvee	
34 - 40																	\bigvee	
28 - 33																	\bigvee	
22 . 27																	\bigvee	
17 - 21																	\bigvee	
11 - 16		.7															\bigvee	
7 - 10	2.0	2.7	4.0		1.3									3.3	2.7	1.3	\bigvee	
*:	4.0	3.3	2.0				2.7	2.7	4.7	2.7	3.3	7.0	1.3	5.3		2.0	X	
	1			0	m	0	-	3	0	-			-					7

9400

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150

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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WSW

SW

SSW

WWW

NNW

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CALM

43324 STATION

¥ %

SPEED (KNTS) DIR.

0

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1.8 HOURS (L.S.T.) NON HON YEARS 73-77 ALL WEATHER COMBITION IMAKUNIS JAPAN

SPEED (KNTS) DIR.	:	•	7 - 10	1 · 16	17 - 21	22 - 27	28 - 33	34 · 40	41.47	48 - 55	% Al		*
z		2.7	1.3	.7								7	4.7
N.		6.3	0.4									8	8.0
w X		1.3										2	2.0
ENE		1.3										2	2.0
•	1.3	1.3										3.	14.5
ESE													
35													
SSE													
•													-
SSW	1.3											1,	. 3
NS.												1	113
WSW	7.3		2.0									11	1,1
*	3.3	6.0										6.3	10.3
WNW	13.3		1.3									20.	-
¥	4.7		1.3									10.0	0
NNN		2.7										3.	
VARBL													
CALM	\bigvee	\bigvee	\bigvee	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	22.0	0
	34.7	31.3	11.3	7.								100.0	0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

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DIRNAVOCEANMET SMOS

-

150

TOTAL NUMBER OF OBSERVATIONS

0

SURFACE WINDS

1

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

21 HOURS (LS.T.) NON 73-77 ALL WEATHER CONDITION IMAKUNI . JAPAN

SPEED (KNTS) DIR.	1.3	• •	7 . 10	11 - 16	17 . 21	22 - 27	28 - 33	34 - 40	41.4	48 - 55	8 6	×	MEAN WIND SPEED
z	.,	3.3	1.									4.7	5.3
Z	2.0	2.	4.0									6.3	
w Z			1.3									2.7	6.
ENE													9
													7.
ESE													
SE													
SSE													
8													
SSW	1.3											2.0	3.0
SW													
WSW	2.7											3.3	3.
*	6.9	9										16.0	3.3
WNW	18.0	F . 6										28.0	
¥	11.3											15.3	
NNN	4.0	2.0										0.0	
VARBL													
CALM	X	\bigvee	X	\bigvee	11.3								
	69.3	30.7	8.0	4								100.0	3.4

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DIRNAVOCEANMET SMOS

1

150

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

43324 STATION

200 0

0

ALL HOURS (L.S.T.)

NON

0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

IMAKUNI, JAPAN

ALL WEATHER

CONDITION

MEAN WIND SPEED	5.2	6.3	6.4	4.7	3.7	3.5	3.7	3.7	3.7	3.6	6.9	6.4	0.4	3.5	3.4	3.9			3.8
*	5.1	1.9	4.8	1.9	2.1	1.4	1.1	1.2	1.7	1.2	1.4	6.9	13.2	54.4	12.8	4.1		10.1	100.0
% AI																		X	
48 - 55																		\bigvee	
4 . 4																		\bigvee	
34 · 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 . 21																		\bigvee	
11 . 16	1.	.3	7.									.2						\bigvee	1.0
7 . 10	1.2	3.0	2.4	5.	.3	7.		1.	.2		.2	1.1	1.2	1.3				\bigvee	12.5
4.4	2.7	3.3	1:1		9.	·.		0.		0.		1.8	4.6	6.6		1.8		\bigvee	36.0
1.3	1.2	1.2	0.		1.1	30	3.	0	6.		C	1.7	9.9	13.2	7.5	1.9		X	40.4
SPEED (KNTS) DIR.	z	Z	ž	ER ER	-	ESE	*	SSE	s	SSW	WS.	WSW	>	WWW	¥	NNN	VARBL	CALM	

3 =

1200

TOTAL NUMBER OF OBSERVATIONS

0

0

0

0

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0

0

3

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0, 0

43324 STATES

8 E 8

8

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

060	MONTH	00	HOURS (L.S.T.)	
73-77	YEARS	ALL WEATHER	CIASS	COMBITION
KUNI, JAPAN	STATION NAME			

01 · 12 · 14	7 - 10
9.	
	6
X	X

*=

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

43324

0

0

0

0

10

0

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

WINDS SURFACE

1 2

-

*

HOURS (L.S.T.)

DEC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

IWAKUNIS JAPAN

YEARS

ALL WEATHER

CONDITION

28 . 33

22 - 27

17 . 21

11 . 16

7 - 10

4.6

..3

SPEED (KNTS)

0.

1.3

1.9

4.0 23.888.00 MEAN WIND SPEED 20.0 34.2 12.3 5.8 2.0 9. 3.2 15.5 * 18 48 . 55 41 - 47 34 - 45

3 =

*

*

TOTAL NUMBER OF OBSERVATIONS

1

155

3,3

100.0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

0

0

0

¥ = %

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0

0

0

1.3 6.1

6.5

14.2

SW WSW

18.1

6.7

*NA N N VARBL CALM

*

0

0

0

0

0

43324 STATION

0

2 2 2 ~

34.2

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

DEC	момти	90	HOURS (L.S.T.	
73-77	YEARS	ALL WEATHER	C1488	COMBITION
KUNI, JAPAN	STATION NAME			

MEAN WIND SPEED	4.3	5.7	7.0		2.0			2.0		0.4	5.3	5.3	3.8	3.2	3.3	3.8			3.2
×	1.9	4.5	9.		9.			9.		9.	1.9	3.9	19.4	33.5	15.5	5.2		11.6	100.0
8																		X	
48 - 55																		\bigvee	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21																		\bigvee	
11 . 16																		\bigvee	
7 - 10		1.3	3.								9.		1.3					X	4.5
4.4	1.9	2.6									0.	5.6	7.1	14.2	5.8	3.9		X	39.4
1.3		0.			0.			0.			0.	9.	11.0	19.4	6.4	1.3		X	44.5
SPEED (KNTS) DIR.	z	N N	¥	ENE	-	ESE	35	SSE	•	SSW	NS.	WSW	*	WNW	¥	NNN	VARBL	CALM	

*=

3

8

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

0

0

0

0

0

0

0

0 SZZI

2 4 9 0

3.5

MEAN WIND SPEED

*

1 2 2

48 - 55

41 - 47

7 . 10

4 . 6

...

SURFACE WINDS

2 0

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS

73-77

STATION NAME

IMAKUNI, JAPAN

ALL WEATHER

NOURS (L.S.T.)

DEC

0

0

CONDITION

3.5

ZZZZ

2.6

12.3

NWW NWW

0

10.61

SSW

•

2 2 3

0

•

WSW WSW

0

37.0

43.5

CALM

0

0

0

0

0

3.0

2002

3

2.7

30

11.7

TOTAL NUMBER OF OBSERVATIONS

154

3.4

10000

1 =

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

43324 MATEON

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER CONDITION

12 NOURS (L.S.T.)

DEC

MEAN WIND SPEED	4.4	4.4	5.5	3.5	3.2	5.4	3,3	3.0	2.8	2.0	5.5	5.6	0.9	6.5	5.8	5.7			4.5
*	3.2	11.0	6.5	3.9	8.4	5.8	2.6	9.	2.6	9.	1.3	7.1	16.8	12,3	1.1	1.9		7.7	100.0
95 41																		X	
48 . 55																		X	
41 - 47																		\bigvee	
34 - 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21																		\bigvee	
1. 16												9.	9.	9.	0.			\bigvee	2.6
7 - 10	9.	9.	3.2								0.	1.3	5.8	5.8	1.3	9.		\bigvee	20.0
4 •	1.3	0.5	1.3	2.6	3.2	1.3	0.				9.	3.9	1.1	4.5	3.9	9.		\bigvee	38.1
3	1.3	3.9	1.9	1.3	5.4	4.3	1.9	9.	2.0	9.		1.3	2.6	1.3	1.9	9.		X	31.6
SPEED (KNTS) DIR.	z	NNE	¥	ENE	•	ESE	38	SSE	S	SSW	WS.	WSW	*	WWW	NN	NNW	VARBL	CALM	

DIRNAVOCEANMET SMOS

IMAKUNI, JAPAN

43324

3

0

0 0 3

Q

188

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

MEAN WIND SPEED

12

. 55 4

11 . 16

7 . 10

...

1.3

SPEED KNTS

9.0

- - -

Z ZZ

z

2.7

2.6

0

3.4

0

0.0 6.6 7.6

16.1

SURFACE WINDS

0

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

0

DEC

0

WEATHER

ALL

CONDITION

TOTAL NUMBER OF OBSERVATIONS

1

155

0

0.6

100.0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

0

0

0

5.0

20.0

34.2

34.2

0

0

0

IMAKUNI, JAPAN

0

3.6 3.6

2 2 2

•

0

WWW

*

Ž

VARBL

CALA

2220

SW WSW

0

1

5702

SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

SURFACE WINDS

(FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

IMAKUNI, JAPAN

43324 STATION

ALL WEATHER

YEARS

18 HOURS (L.S.T.)

DEC

CONDITION

22 - 27

17 - 21

11 - 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

96.1

MEAN WIND SPEED	5.0	0.9	7.0	2.0	4.4		3.2	1.8	3.7	3.5	3.6	0.4	2.0		2.7
*	1.9	3.2	1.9	9.	3.2		3.9	2.6	0.1	21.3	16.1	5.8	1.3	28.4	100.0
%														X	
48 - 55														X	
41 . 47														X	
34 - 40														X	
28 - 33														X	

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

0

ESE SE

0

0

0

VARBL

CALM

NN X

0

0

3

83

0

Q

N N N

2.6

2000

12.6

WSW

SSW

•

WNW

*

9.

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0

0

0

9.7

21.9

40.0

5702 SURFACE WINDS JAN 78

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0000

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

988

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

ALL WEATHER

COMDITION

21 HOURS (L.S.T.)

DEC

	2000
	15.5
3.0	1.9
2.9	11.0
3.4	30.3
3.5	20.0
4.5	11.0
0.4	•
2.0	1.3
2.0	9.
3.	••
9.9	4.5
7.3	2.0
MEAN WIND SPEED	×

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

TEAKUNIS CAPAN

0



























8 5

3

10

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

DEC	MONTH	ALL	HOURS (L.S.T.)	
73-77	YEARS	ALL WEATHER	CLASS	CONDITION
IMAKUNI, JAPAN	STATION NAME			

MEAN WIND SPEED	4.5	5.4	5.7	3.1	3.0	2.5	2.9	2.6	3.0	2.9	3.8	6.4	4.3	3.8	3.6	3.8			2
*	2.8	5.1	2.6	1.2	2.3	1.7	6.	9.	1.0	1.5	1.4	6.9	19.3	24.6	10.5	3.6		14.0	000.
%																		X	
48 - 55																		\bigvee	
41 . 47																		\bigvee	
34 · 40																		\bigvee	
28 - 33																		\bigvee	
22 - 27																		\bigvee	
17 - 21																		\bigvee	
1.16		1.										7.	. 3		.2	7.		X	,
7 . 10		1.3	1.0						•		2.	1.6	5.9	2.2	5.	.2		X	
:	1.0	2.6	1.0		30.	7.	.2	-:	.2			2.7	7.2	10.7	3.8	1.4		X	2
.:	1.0	1.1	0	0	1.5	1.3			æ.	0.1		2.5	6.8	11.7	1.9	1.9		X	
SPEED (KNTS) DIR.	z	Z	¥	ENE		ESE	SE	SSE	•	SSW	AS.	WSW	*	WW.	ž	NNW	VARBL	CALM	

*

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

43324 STATION

0

0

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0

0

1239

TOTAL NUMBER OF OBSERVATIONS

PE

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL HOURS (L.S.T.) YEARS 73-77 ALL WEATHER CONDITION IWAKUNIS JAPAN

1.7 1.5 .8 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	SPEED (KNTS) DIR.	:-	•	7 . 10	1 . 16	17 . 21	22 - 27	28 - 33	34 - 40	41 . 47	48 - 55	8	*	MEAN WIND SPEED
1.8 2.8 1.7 1.1 1.0	z	1:1	1.5	8	0.		0.						4.0	4.5
1.1 1.2 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	Z	1.8		1.7	1.	•	0.	0.					4.0	5.
1.1	w Z	1.3	1.7	1:1		0.							4.2	5.1
2.0 2.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .	EX.	1.1	5.	.2									2,3	3.5
1.6 1.42000000000	-	2.1	1.3	.2				0.					3.6	3.5
1.4 1.7 2.1 .3 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	ESE	1.8	1.4	.2									3.4	3,
1.7 2.17 2.1000000000 .	35	1.6	1.7			•							3.5	4.
2.0 2.0 .6 .1 .0 .0 .0 .1 .9 .1 .9 .1 .9 .1 .9 .1 .9 .1 .9 .1 .9 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	SSE	1.7		.7	0.								4.5	4.4
1.1 1.2 .8 .1 .1 .1 .1 .1 .1 .1		2.0		30	•	•		0.					6.4	4.6
1.1 1.2 .8 .1 .0 .0 .0 .1 .3.3 .1 .1 .1 .1 .0 .0 .0 .0 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	SSW	0.	89.	.3									1.9	4.
1.1 1.2 .8 .1 .9.3 5.5 4.0 1.4 .2 .0 9.9 5.8 1.0 .1 16.6 5.9 2.6 .4 .1 16.6 1.7 .9 .3 .0 3.0	SW	v.	9.	4.									1.6	6.4
5.5 4.0 1.4 .2 .0 9.9 5.8 1.0 .1 16.8 1.7 .9 .3 .0 9.0 1.7 .9 .3 .0 3.0	WSW	1.1	1.2	3	7.								3.3	5.
9.9 5.8 1.0 .1 16.8 16.8 1.0 .1 16.8 16.8 1.0 16.8 1.0 10.0 10.0 10.0 10.0 10.0 10.0 10.	*	5.0		1.4									11,1	*
1.7 .9 .3 .0 3.0 3.0 3.0 40.3 31.3 10.5 1.1 .1 .0 .0 .0	WWW	6.6	5.8	1.0									16.8	3.5
40.3 31.3 10.5 1.1 .1 .0 .0 .0	×	5.6		3.									0.6	3.
40.3 31.3 10.5 1.1 .0 .0 100.0	NNN	1.7	6.	.3	0.								3.0	3.7
40.3 31.3 10.5 1.1 .1 .0 .0 10.0	VARBL													
31.3 10.5 1.1 .1 .0 .0	CALM	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	16.7	
		40.3		10.5		1.	0.	0.					10000	3.4

3 =

3

3

3

TOTAL NUMBER OF OBSERVATIONS

14606

1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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(3)

0

0

43324 STATION

8

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ALL HOURS (LS.T.)

ALL

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77

I WAKUNI, JAPAN

43354

INSTRUMENT CLASS

AND/UR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,

0

0

0

0

0

0

SPEED (KNTS) DIR.	::	;	7 . 10	11 . 16	17 . 21	22 - 27	28 · 33	34 . 40	41.4	8 . 55	% AI	*	MEAN WIND SPEED
z	4.3	2.4										7.4	3.5
N.	5.5	4.0	1.0	7.								10.5	3.7
Z	2.7	5.4		7.								5.7	3.9
ENE	2.0	1.2		7.								3.3	3.3
	3.0	5.			-							3.7	3.1
ESE	2.2	0.		2.	-							3.0	3.
35	1.6	1.2			•							2.9	3.1
SSE	1.5	1.0	.2									2.7	3.4
5	5.6	7:1	•	3.			• 1					4.8	4.8
SSW	1.0	.2	2.		1.							1.4	
SW	2.	2.	7.									5.	9.9
WSW	5.	7.	2.									8.	
*	5.9	•	~									9	
WWW	0.4	5.	-									5.6	
¥	3.3	*	7.									3.9	2.5
NNN	2.2		-:									3.0	
VARBL													
CALM	\bigvee	\bigvee	X	X	X	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	\bigvee	36.9	
	40.1	17.7	0.4		5.		.1					160.0	2.2

0

1 =

1319

TOTAL NUMBER OF OBSERVATIONS

*

NWSD, Federal Building Asheville, N. C.

CEILING VERSUS VISIBILITY

equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to presented as follows:

- . Annual all years and all hours combined
- 2. By month all years and all hours combined
 - By month by standard 3-hour groups

station was meeting or exceeding any given set of minima may be determined from the figure at the intersection ferring to totals in the extreme right band column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visi-Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of bility. The totals progress to the right and downward. Ceiling may be determined independently by reon pages 2 and 3 below. U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

Q

	0 1	7	60 60			1 10	 -	6 6	100.0
		1	3	-	_	-	98.1		2
	× 1	()							
	≥ 5/16								3
	٧ ٪					98 815			
	% AI								
	% AI								
(S3)	- AI						7.72		98.3
ATUTE MI	%1 ≥			9 11					
VISIBILITY (STATUTE MILES)	%1≥								
VIS	2 2								6.96
	≥ 2 %	(- Balle						
	ν N		0.10						95.4
	4 1		基础						
	VI 25		12						
	V I			15					
	≥ 10			30					10 A 10 A
CEILING	(FEET)	NO CEILING	≥ 1800 ≥ 1500	VI VI 1200		VI VI 0 00 0 00 0 00		200 10 10	9 0

Read ceiling values independently of visibility under column at right headed > 0. For instance, from the table: Ceiling > 1500 feet = 92.6%.

Ceiling > 500 feet = 98.1%. EXAMPLE # 1

Read visibilities independently of ceilings on bottom line opposite > 0. From the table:
Visibility > 3 miles = 95.4%.
Visibility > 2 miles = 96.9%.
Visibility > 1 mile = 98.3%. EXAMPLE # 2

To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling > 1500 feet with visibility > 3 miles = 91.0%. EXAMPLE # 3

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

1

Values below minimums stated in the table may be obtained by subtracting the value given In the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

subtracted from 97.4 read from the table at the intersection of > 500 feet with > 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling > 500 feet with visibility > 1 mile, but < 3 miles; or ceiling > 500 feet, but < 1500 feet with visibility > 1 mile." The value 91.0 read from the table at the intersection of > 1500 feet with > 3 miles,

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

ART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

U

- 1. By month and annual all hours and all years combined.
- 2. By month by standard 3-hour groups.

Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data. NOTE: # 1:

Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

TENTHS	01") 4 1/40	ဆတ္ဌ
		1 W 4 W	obscur re d)
OKTAS	010	ı ω≄ <i>ι</i> ν.	6 - 6 6 - 6

7

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

I WAKUNIS JAPAN

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0

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NA P

20

00 HOURS (1 S T.)

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILI	£S)						
(FEET)	N N	4 AI	8 41	AI AI	e Al	2 2%	2 4	VI %	VI 2.	-	% Al	*	N Z	≥ 5/16	N N	0 11
NO CEILING			6	6	6	6	6	6	6	6	59.4	59.4		6	59.4	59.4
¥ 2000		58.7	60.09	0.09	0.09	0.00	0.09	0.09	0.09	0.09	0.09	0	60.0	0.09	0.09	60.0
V 18000			0	60.7	0	0		60.7		0	60.7	4009	•	0	60.7	40.7
N 14000		\$65	60.7	60.7	1.09	60.7	1.09		0	•	2.09		0	0		
			60.7		0		0	0	0	0	•	0				
> 12000			-	61.3	61.3	-	61.3	61.3		-	61.3	61.3		-	61.3	61.3
			3.	3			3				3	63.2	63.2	3	3	
000		61.3	63.5		63.2	63.2	63.2	63.2	63.2	8	63.5		63.2	3.	63.2	63.2
			9	66.5			.9	9	•					•		66.5
7000			-	67.1	-	-	67.1	67.1	67.1		67.1	7	67.1	67.1	67.1	67.1
1			-	7		67.1	-		-	-		67.1	-	-		67.1
9005		4.80	71.0	71.0		-	71.0	71.0	71.0	-	71.0		71.0	-	71.0	71.0
1			71.	71.6	:	-	-	71.6		-	-		-	-		71.6
1 4			-	76.1	76.1	76.1	76.1	76.1	76.1	9	76.1	76.1	76.1		76.1	76.1
			79.	6	6	6	6	6	6	6	6		6	6		79.4
3000		89.7		94.2	94.5	94.2	8.76	8.46	8.46	8.76	8.46	94.8	94.8	8.46	94.8	94.8
			96	9	0		.0		. 9			8.96	8.96	.9	8.96	96.8
7 2000		91.0	96.8	96.8	8.96	8.96	97.4	97.4	-	-	-		97.4	-	97.4	97.4
		91.6	-		7.			98.1	98.1	8		98.1				98.1
1300		91.6	4.16	97.4	4.16		98.1	98.1	98.1	98.1	98.1	98.1	98.1		98.1	98.1
		91.6	1.	4.76	4.70		1.86	98.1	98.1			98.1		98.1		
1000		91.6	97.4	97.4	4.16	4.16		4.66	4.66		4.66	4.66	4.66	90.4	4.66	4.66
		91.6	97.4	97.4	4.76		4.66	4.66	4.66		4.66	4.66	4.66	7.66	4.66	4.66
8		91.6	97.4	97.4	4.16	97.4	4.66	6	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
		91.6	97.4	97.4					4.66	6	4.66	4.66	4.66		4.66	4.66
8		91.6	97.4	97.4	4.76	4.16	4.66	4.66	4.66		100.00		100.0	100.0	0.001	0000
		91.6	4.70	4.76	4.16	97.4	4.66	4.66	4.66	0			0000		0.001	0000
141		91.6	97.4	97.4	4.76	97.4	4.66	4.66	4.66	100.00	100.001	100.00	100.0	100.00		0000
		91.6	97.4	4.76	4.16	4. 46	4.66	4.66	4.66	0.001	0.001		0.00		0.001	0000
8		91.6	97.4	97.4	4.76	97.4	4.66	4.66	4.66		100.0	00.00	100.0		0.001	0000
		91.6	97.4	4.76	4.16	4. 46	4.66	4.66	4.66	0.001	0.001	00.00	0.001	10000	0.001	0000
١٨١			97.4	4.16	4.16	97.4	4.66	4.66	4.66	100.001	100.00		100.0	100.0	0.001	0000

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUNI, JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NAC

03 HOURS (1.5.T.)

							VISI	IBILITY (ST.	VISIBILITY (STATUTE MILES)	ES						
(FEET)	2	o Al	8 AI	1	e Al	1 2%	2 2	¥1 ¥1	VI A	-	% Al	*	Z Al	≥ 5/16	AI N	٥
NO CEILING		52.9	55.		3	5	3	5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
¥ 20000		54.8	58.	58.1	58.1	58.1	58.1	58.1	•			58.1	58.1	58.1	8	58.1
V 18000		55.5		58.7			58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
00091 1		55.8	58.	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
7 14000		55.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7		58.7	58.7	58.7	58.7
12000		55.5		58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
		57.4	90	60.7	1.09	60.7	1.09	60.7	60.7	60.7	60.1		60.7	60.7	60.7	40.4
000		57.4		60.7	60.7	60.7	60.7	60.7	2.09	60.7	60.7	60.7	60.7	60.7	60.7	60.7
1		59.4	62.	62.6	62.6	62.6		62.6	62.6	62.6	62.6	62.6	2	9.29	5.	62.6
1 7000		0.09	63.2	•		63.2	63.5	•	3	63.2		3.	3.			63.5
1		60.7	63.	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
2000		63.9		67.1	67.1	67.1	67.1	67.1	67.1	67.1		67.1		67.1		67.1
1		65.8	69		9.		6	0.69	0.69	0.69	0.69	0.69		0.69	0.69	0.69
000		72.3	76.	76.1	76.1	76.1		76.1	76.1	76.1		76.1	76.1			76.1
1		75.5	79.	70.4	80.0	80.0		80.0	80.0	80.0	80.0	90.0	80.0	80.0		80.0
3000		87.7	. 46	8.46	95.5	95.5	3	95.5	3	95.5		95.5				
1		8.06	96	4.16	98.1	98.1	98.1	98.1	98.1	98.1	98.1		1.86	98.1	1.86	98.1
7 2000		8003	96	4.16	98.1	98.1	98.1	98.1	98.1			98.1			98.1	
1		80.3	96	4.16	1.86	98.1	98.1		98.1	98.1			1.86			
1 1 300		6.06	96	4.16	98.1	98.7	98.7	98.7	8			98.7		98.7	98.7	98.7
1200		8006	8.96	4.16			7.86	98.7	98.7				98.7			
000		8006	96	97.4		7.86	6		6	6	6	•	•	•	•	4.66
		90.3	96	4.16			100.001	100.00			0	•-	000	0000		0.001
008		800.3	96	4.16	98.1	98.7	100.0	00.00	0000	0000	•	•	100.0	100.0		0000
		90.3	96	4.16			0.001							0000		0000
8		90.3	96	97.4	98.1	98.7	100.00	100.0	100.0	ċ		-		•	100	0.001
		90.3	96	4.16			100.0	100.0	0			2	0.00	100.0	100	0.001
V 400		90.3	96	4.16	98.1	98.7	100.001	100.00		•	•	100			100	0.001
300		90.3		4.76			100.0			•	0		0		2	0.001
		800	96	4.16	98.1	98.7	10001	100.0	0	·	0	100.0	0.001	0	001	0.001
81 4		6006		4.76			0.001	0	•	0	0000	000	000	•	•	0000
		90.3	90.8	4.16	98.1	78.7	100.0	00.001	00.00	0.001	0.001	100.0	0000	100.0	0.001	0000

The state of the state of

TOTAL NUMBER OF OBSERVATIONS

0

0

3

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

43324

0.0 HOURS (1.5.T.)

\$ **2**

NOH H

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILI	£S)						
(FEET)	VI 5	۸۱	S AI	7,1	E AI	1 2%	2 4	۲۱ ۲	71 71	- Al	% Al	*	N %	≥ 5/16	NI N	٥
NO CEILING			43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
1 4 1 4 000 1 4 1 4 000 1 4 1 4 1 4 1 4		46.5	46.5	46.5		50.50	46.0	2.04	46.5		46.5	46.5		46.5	46.5	46.5
V 14000			00	46.5	46.5	46 50 50 50	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
VI VI 0000 0000 0000		49.0	6 6	0.64	49.0	0.64		0.64	0.64	49.0	49.0	49.0	00	0.64	0.64	49.0
1			3 3	54.8		54.8	3 10	54.8	54.8		4 .	54.8	54.8	54.8	. 5	54.8
9000 AI AI		54.8	54.8	58.1	58.1	55.5		58.5	55.5	58.5	55.5	55.5	55.5	55.5	55.5	58.5
1			61.3	71.0	61.9	71.0		71.0	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
3000			.:	91.6	- N	92.3	2 %	77.4	- 2	77.4	92.3	92.3	77.4	77.4	77.4	77.4
7 2000		89.0	94.2	98.9	96.1	96.1	98.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
		89.7	95.5	97.4			98.1		98.1		98.1	98.1	98.1	98.1	98.1	98.1
		80.7		4.70	1.86	4.66	000	7.66	4.66	4.66	4.00	4.66	4.66	4.66	4.66	
			95.5	97.4	98.1		4.66		00		0000			00.00		0000
		89.7	50	97.4		4.66	66	7.66		00			00			00.00
		89.7	95.5	97.4	1.86	4.66	4.66	4.66	4.66	0.00	00.00	00.00	00.00	00.00	0000	00.00
3 30 1 A 1 A		89.7	95.5	97.4	98.1	99.4	4.66	4.66	99.4					0		00.0
8°		89.7	95.5	97.4	98.1	4.66	99.4	4.66	4.66	00.00	00.00	000	000	100.0	000	0000

3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

10

0

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12

	-															
CEILING							VIS	BILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
	VI 5	9 Al	\$ AI	AI	E AI	> 2%	1 2	¥1 ¥	71 7	1	% Al	*	× AI	91/5 ₹	N N	٨١
NO CEILING	25.	40	41.9	42.6	45.6	45.6	42.6	42.6	42.6	42.6	42.6	45.6	42.6	42.6	42.6	42.6
> 20000	27.	43.	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
V 18000	28	44.		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
14000	28.4	44	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
> 14000	28.4	44	9	47.1	47.1	47.1		47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
> 12000	28.4	45.	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	-	47.7	47.7	47.7	47.7	47.7
	30.3	91.	53.6	54.2			54.2			54.2	54.2		54.2	54.2		54.2
000	31.0	51.		54.8	54.8	54.8	54.8	54.8	54.8	54.8	*	54.8	;		54.8	54.8
	34.2	57.	0	60.7	60.7	0		61.3	-	61.3	61.3	61.3	61.3		61.3	-
700	34.2	58.	-	61.3		61.3	61.9	-	61.9	-	6119	-	61.9	61.0	:	6119
1	34.8	58.	-	61.9		-	2.		2	62.6		2.	62.6	2.	62.6	62.6
200	34.8	61.	64.5	65.2	65.2	2.69	65.8	65.8	65.8		65.8	1000	3		•	-
1	37.4	65.	8	6		6	6			1	69.7	69.7	69.7	69.7		69.7
1 1	38.7	69	2.	72.9	72.9	72.9	73.6	73.6		73.6		73.6	73.6	73.6	3	73.6
1	39.4	74.	8	78.7	78.7	78.7		6	0	79.4		79.4				79.4
300	44.5	85.	89.0	91.0	91.6	-	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	65.3	92.3
1	44.5	87.	2.	94.2	8.46		5	3				95.5		95.5	3	95.5
90 1A1	44.5	87.	2		8.96			97.4	-	97.4	4.16	4.16	4.16		97.4	97.4
	44.5	87.	3	8.46		9		4.76		4.76					4016	
1500	44.5	87.	3	8.96	8.96	•	98.1	98.1	98.1	98.1		98.1	98.1	98.1		98.1
1	44.5	87.	2			96.9		98.1	98.1			98.1		98.1	98.1	98.1
000	44.5	87.7	3	94.8	8.96	•	7.86		98.7			4.66	4.66		4.66	99.4
	44.5	87.	.2.	8.46	96.8	96.8		98.7	68.7	98.7	4.66	4.66		4.66		
8	44.5	87.		94.8		•		98.7			6	4.66		4.66	4.66	4.66
	44.5	87.	5.		9					98.7	4.66		4.66		4.66	99.4
8	44.5	87.	2	8.76	8.96	96.8	7.86	98.7	98.7		4.66	4.66	•	4.66	4.66	99.4
	44.5	87.	2	8.76	8.96			98.7	7.86	98.7	0	0.00	0000	100.0	00.00	00.0
8	44.5	87.	92.9	8.76	8.96	96.8		98.7	98.7	98.7	100.0	0.001	0	100.00	0000	00.00
	44.5		?		8.96	9	98.7	98.7	98.7	98.7	100.0	0.00	0.001	0.001	0.00	000
8 1 A I	44.5	87.	2	8.76	96.8	96.8	7.86	98.7	48.7	98.7	100.0	0000	0.001	100.00	0.00	00.00
-	44.5		65.6		96.8	96.8	1.86	98.7	98.7		100.0	0.00	0.00	10000	0.00	00.0
٥	44.5	87.	92.9	94.8	8.96	8.96	7.86	98.7		7.86	10000	0.00	100.0		0.001	00.00

TOTAL NUMBER OF OBSERVATIONS

155

0

0

0

0 0

0

0

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

I WAKUNIS JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NAL

1

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILI	ES)						
(FEE)	0 1	9 11	8 41	AI AI	6 VI	> 2%	~ Al	71 %	VI 72	-	% A1	*	Z Al	≥ 5/16	N N	٨١
	29.	39.	40.0		0		0.04	0.04	0.04	0.04	0.04	0.04	•,		•	40.0
Y 20000		41.			•	2.	2.	45.6	2.	•	2.	•	•	2.	2.	45.6
		41.			3	43.2	3.	43.2	43.2	•	43.2	43.2	43.2	43.2	43.2	43.2
1600		:		43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.5		43.5	43.2	43.2	43.2
		43.			•		*	44.5	44.5		•	•	44.5	44.5		44.5
12000		43		45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
		46.		49.7	49.7	.6	49.7	49.7	6	49.7	6	49.7		-		49.7
000 AI		47.		50.3	0	50.3	50.3	50.3	50.3	•	50.3	50.3	50.3		0	50.3
		49.		2.			3	55.9	2.	2.	2		52.9	2	5	52.9
7000		49.		52.9	6.25	2	53.6	33.6	•	53.6				53.6	53.6	53.6
		64						53.6			3	53.6	•	•		53.6
2000		53.			57.4			58.1		58.1		58.1	*	8		58.1
		55.					ò	0.09	0	0	0	ò	0.09	•	0.09	0.09
400		58.				5	63.9	63.9	6	63.9	3	63.6		63.9		63.9
		. 49			8		6	69.7	6	6	5	6	69.7	69.7	.6	69.7
3000	•	80.			85.2	26.3	-	87.1		87.1	-		-		1.	87.1
		88		91.6		93.6		8.46		94.8	8.46	8.76	8.46		8.46	8.76
7 2000		86.			*		4.16		4.76		1.	-	-	97.4	-	
		86.		•	;		7	4.16				41.4	4.16	97.4	4.16	97.4
> 1500	61.9	86.5	95.9	94.2	65.5	96.8	98.1		8	98.1	1.86	98.1	8		8	
		86.		4.	5.	•		1.86	98.1	98.1	œ	186	8	98.7	7.86	48.7
1000		86.		34.5	3.	2	4.66	4.66	4.66		0	10.00	0	00.00	0	0000
		86.		4.	5.			4.66	4.66	4.66		10.001	00.00	00.00		0.00
908 AI		86.			5	4.16		4.66	4.66		•	100.00	0	00.00	00.00	00.0
		86.		34.5	5.	4.46		4.66	4.66	4.66	0	10.00		00.00	ö	0.00
009		86.				4.16	4.66		4.66	4.66	100.001			0	00.00	0000
		86.		94.2	95.5	4. 16	•	7.66	4.66	4.66	0		0	00.00		0.00
00 AI		86.		•	95.5	97.4		4.66	4.66	99.4	0	100.00	00.00		00.00	0.00
	•	86.		2.46	95.5	97.4	4.66	4.66	4.66	4.66	100.001	10.001	00.00	00.00	0	0000
700		86.		94.2	95.5	97.4		4.66	4.66	99.4	•	100.00	00.00		0	0.00
		96.		94.2	95.5	4.46	4.66	4.66	4.66	4.66	100.001	100001	00.00	00.00	0000	0.00
١٨١		96.		94.2	95.5	97.4		4.66		4.66	100.00	00.00	00.00	00.00	00.00	0.00

TOTAL NUMBER OF OBSERVATIONS

155

3

0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUZIS JAPAN

73-7

3-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

JAN HOHTH

CEILING							VISI	BILITY (STA	VISIBILITY (STATUTE MILES)	S)						
(FEET)	01 4	9	\$	41	e Al	2 2%	2 4	¥1 ¥	71 71	-	% Al	*	N %	≥ 5/16	NI NI	0 1
NO CEILING			32.3	32.3	32.3	32.3		32.3			32.3	32.3	32.3	32.3	32.3	32.3
≥ 20000				38.1	38.1	38.1	38.1	•	38.1	38.1	38.1	38.1	38.1		38.1	38.1
				40.7	40.7	40.7	40.7		40.7	40.7	40.1	40.7	40.7	40.7	40.7	40.7
14000				40.7		40.7	40.1	40.7	40.7	40.7	40.7	40.1	40.7	40.7	40.1	40.7
				40.7	40.7	40.1	40.7	40.7	40.7	40.7	1.04	40.1	40.7	40.7	40.1	40.7
12000		0.04	40.7	40.7	40.7	40.7	40.1	40.1	40.7	40.7		40.7	40.7	40.7	40.7	40.7
1				43.2	43.2		43.2	43.2	•	43.2	3	43.2	•	43.2	•	43.2
0006			43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
1				47.7	47.7	47.7	47.7	41.7	47.7	47.7	47.1	47.7		47.7	47.7	47.7
7000		48.4	0.64	0.64	0.64	0.64	0.64	0.65	0.64	0.65	0.64	49.0	0.64	0.65	0.64	0.65
				•	0.64	0.65		0.64	6	0.64	6	0.64	6	6	6	0.65
2000		55.5		56.8	80.95	56.8	56.8	56.8	8.95	56.8	56.8	26.8	80.95	56.8	56.8	56.8
				57.4	57.4	57.4		\$7.4		•	-	•		57.4	-	57.4
0007		61.3	61.9	62.6	65.6	9.29	62.6	65.5	62.0	62.6	9.29	95.29	9.29	65.6	9.29	65.6
				67.7	67.7			67.7	-	67.7				67.7		
3000				88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0		89.0	89.0	89.0
				4	95.5	1.96	66.1	1.96	1.96	1.96	1.96	1.96		96.1	1.96	1.96
7 2000				98.5	1.96		8	98.1	98.1		1.86		1.86		98.1	
	74.8	91.6	•	68.8	1.96	98.1	98.1		98.1	98.1	98.1		1.86	98.1		98.1
≥ 1500					1.96		98.1	98.1	98.1			1.86	8			1.86
				3.	1.96	98.1	96.1	98.1			98.1	98.1	1.86	1.86	98.1	98.1
V 1000				98.8	1.96			98.1	1.86			48.7		98.7	48.7	98.7
			•	-	1.96	98.1	1.86	98.1				•	0	0000	100001	0.00
00 8 A		:		95.5	1.96			1.86				00.00		0.00	00.00	0.00
		-		5.56	1.96	1.86	1.86	98.1						0000	100001	0.00
8		:			1.96	98.1		1.86	98.1	4.66	4.66	•	00.00	0000	100001	0.00
		91.6		6.86	1.96	1.36	98.1	98.1	1.86	4.66			0.00	0.001	00.001	0.00
V 400		1:		5	1.96	98.1	98.1	98.1	98.1	_		•	0.00	0000	100.001	0.00
38	14.8	91.6	2.46	95.5		98.1	1.86	1.86		7.66		•		0.001		
1 200		-	•	95.5				98.1	98.1		4.66	•	0	0.001	00.001	00.00
YI 8		91.6	24.5	95.5	96.1	98.1		98.1		4.66		0000	0.00	0.00	100.00	0.00
	•	-	•	98.8	1.96		98.1	98.1	98.1		4.66	0000	00.00	0000	0.00	00.00

0

0

TOTAL NUMBER OF OBSERVATIONS

. .

0

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

INAKUNI, JAPAN

0

0

0

0

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18 HOURS (LST.)

=

		0	9	2	2	8	8	1	0	.5		1	0	3	5	3		-		-		-	4	0	0	0	0	0	0	0	0	0	0
	AI	69	53	54.	54.	54.	•	0	90		-	67		72.	5	1	N	98		98.	8	98		00	00						00	8	0
		0		-	7	-		1	0	2	-	~	0	3	2		10	-	-	1	~	1	4	6	-	4	-	0	-	0	0	0	0
	Al		53.		54.				90				77.	72.		5	32.	86			98			00		00	00	00	00				0
	•	0	_	-	12	-		-			~	_		-		-	6	-	~	_		7	_	5	-	010	6	0	70	0	5	0	000
	5/16	6	3	4.	*	4.					-						2			8		8		0	0	0	0	0	0		0	0	0
	AI .	4	9	2	2	8		-	9 0	5		7 6			2	-	9		5 2	2		2		010	010	oro	010	010	-	010	-	-	200
	Z Al							8	0		-	-	-	•		6	2.			8	8	30	6	0		0		0	•	0		0	•
		4 0	2	5	2	-	8	5	0	_	4	9		7		-	6	-	4	-	0	_	_	50	d	100	-	-	-	5	-	2	3
	*	6						80					•	•	•		2.3			8.7		8.7		0.0	0		0.0	0.0	0.0	•	•	0.0	
		*	5	~	5	5	10		9	9	•	0	-	-	-	-	0	0	0	0		0		10	2	01	2		Š	Š	õ		ō
	*				4.2		6.8	8.7		5.5		1.7	0:1				2.3		3.7					8.7		8.7		8.7	8.7	8.7	8.7		:
	AI		5			3			ě																					6		6	98
	-	0			2				•	•			•		•											.1						-1	•
ES)	Al	49	53	54	3	54	1.5000	1000	90		67	-	(20)	72		79	26	96		98			98			86	8	98	98	9		80	
WIL	7	0	9.	.2	7	8	8		0	.5		.7	0		3	4.	·	-	1.	.7		1.				1.					-	-	-
TOT	AI .	64	53	34	3	54			00					72	75	10	92	86	86	96	86	86		86		86		86		86		86	
(\$7.	2	0	0	2	~	8	œ		0	S	10		0	•	5	3	19	-		~	-	. 7	-	~	7	1	1	1	1	-	-	~ ;	=
VISIBILITY (STATUTE MILES)	AI	64	53	54		54			09		10		71,	72		4		86	86	86		86		86		86	98	86	96	86		86	
VISI		0	9	2	EN	20	8	-	0	in	~	1	0	3	N	4	•	20	9		00		8	-		8	80	8	00	20	-	00 0	-
	AI	6	53	54.		54.	56.				57		71.				71.		96		96.		96		96		96.	9				96	
		0	_	_	~	_	00	-			-					_				_	-	1	-	7	1	1	-	-	-	-	-	-1.	-
	2 2%		6						0								-		. 9		9	. 9		. 9		. 9		. 9		.0			
		-	5	2	2	5	8	2	0	9	7	9 1			2		6	2		5 9	_	5 8		5	5	_		6 5		2		0 0	-
	M AI	6	3		;		;		0	9	-	7.	-	2.	3	6	-	5	5	5.	5	3	3	5	5.	3	3	2	2	5.	3		2
		4	9	6 5		2 5	5	80		8	9	9 1		6 7		_	0				_	5 9		0			_			2 9	_	0 0	
	AI.	8.	2.5	3.6	3.	4.	9	8	6		-	7.					1.0		4.	4.2		4 . 2	•	4.2	•	4.3	4.2	4.2	4.2	4.7	•	2.5	
		3		~		~	5		2	9	9	0	-	-	-	~	0	0	0	0	_	0	0	3	0	6	0	6	0	0	0	0	
	5	-			6.3	9.6	5.5		3.7		5.5	5.5			1.2		.3		9.6	9.6		9.6		9.0		3.6	9.6	9.6	9.6				:
	AI	4	10	in	10	3	3	5	3	0	9	9	9	-	-	-	õ	6	6	6	0	6	0	6	6	0	6	6	6	6	0	6 6	,
	•																																•
	Al	4	2	52	52	52	3	56	58	60	65	6 5	68	69	72	76	87	06	80	06	80	6	80	90	6	90	06	06	8	06	8	6	2
	9	0	2	30	8	8	5	-		1.		.7	3	0	0	0	-	4	4.	4.	4.	*	4.	4.	*	3.	4.	4.	4	4.	*	4	3
	Ā	2	-	2	-	5	0	-	-	3	0	5	0	-	-	-	0	-	7	-	-	-	-	-	37	37	37	37	37	37	37	91	0
		-		-				-																		-					1		1
CEILING	EET)	CEILING	20000	8000	16000	4000	12000	000	9006	8000	7000	9009	2000	4500	4000	3500	3000	2500	2000	1800	1300	1200	90	8	8	700	8	8	100	8	8	8	1
2	•	2	AI		1 1		Ā	-	AI	A	A	AI	۸I	٨١	٨I		1 11		٨١	AI	٨١	Al	٨I	AI	AI	Al	٨I	AI	٨I	Al	AI	AI A	N
		_	_	_	_	_		_	_	_	_	_		_	_	_	-	_	_	_		_	_	_		_	_	-		_	_	_	

TOTAL NUMBER OF OBSERVATIONS

155

40

3

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUMIS JAPAN

43324

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

i

JAN

21 HOURS (1.5.T.)

CEILING (FERT) CHILING CHERT) CHILING CHERT) CHILING CHERT) CHILING V V V V V V V V V V V V V V V V V V V	VI 14440000000000000000000000000000000000	- - - - - - - - - -	7 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		VI -44400 - 14440 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	=	VI -444W 0 W 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 1444 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1 -444W0-LN440BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB		V	VI 14448 3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
	 92.3		9669	98.7	988.7	4.66	7.66	4.66	00000		0.000	0000		0000

TOTAL NUMBER OF OBSERVATIONS

155

0

0

0

0

0

0

0

0 - 0

0

0

The state of the s

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUNI, JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (LST.) NA N

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	2 1	9	8 41	*	6 41	2 2%	2 2	VI 71	VI 72	-	* 11	*	Z AI	2 5/16	AI	٥
NO CEILING	50		-	450		00	48.1	48.1		48.1		. 8	48.1	8		
Y 20000			0	51.1	51.1	51.1	51.1	51.1	51.1		51.1	51.1	51.1	51.1	51.1	51.1
> 18000	3		-	-	-	-		-		-		-		-	-	-
14000	15.4		51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	-	51.9	51.9	:	51.9	51.9
	3		2	52.2	2	2.			2	2.	3.	52.3		2.		52.3
12000	15.6	51.3	3	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0			•	53.0	53.0
1	9		55.5	55.7	5	55.8		-	55.8	55.8	55.8	55.8	55.8	3	55.8	55.8
000 Al	16.5		5	56.1	56.2	9	56.2	56.2		•		. 9	0	.9		50.5
1	-		60.0	0	4.09		0	0	•	0	0	.0	0	0	9.09	9.09
7000	18.0			61.3		61.4	61.5		61.5	61.5	•	•		-	-	61.5
			:	-		61.5	-	61.7	•	1.	1.	1.	61.7	-		61.7
2000				65.2	65.3	65.3	65.5	3	65.5	65.5	•	3	65.5	5.		65.5
	6		66.8	-	67.3		67.5	1.	•	1.	67.5	67.5	67.5	67.5	67.5	67.5
900	0		2.	2.		72.8		•	73.0	3.	3	3	73.0	13	•	73.0
	-		9	-	77.5	7	7.77	7.	77.7	7	1.	-	77.7	-		77.7
3000	9		0		-	91.7	0.26	2	92.1	92.1	2.	5.	2.	92.1		92.1
	-		*		48.7	•		6.96	96.5	.9	•	96.5	96.5	. 9	96.5	96.5
7 2000	-				9	-		8		8	8		*	8.		98.0
	27.5	0.06	4.7	98.8	6.96	97.4	97.8	98.1	98.1	98.1	1.86	1.86	98.1	98.1	98.1	98.1
1500	-				-	1.		8	98.4	*				98.4	98.4	98.4
	-		*	. 9	0.79	-		98.5	98.5	00	8					98.6
1000	-		. 4	95.0	97.0	1.	98.8	6	0.66		4.66		4.66	6	4.66	4.66
			;	0.96	97.0	8.46	6.86	99.1	99.1	6	6	8.66	8.66	866		8.66
80	-		*			-	8	0	1.66	6	0			6		866
	-		*		97.0	8.46	6.86		1.66	0		8.66	8.66	866	8.66	8.66
9	7.			. 9	•		8	6	99.1	6	6			6		6.66
	7.		4.		1.	8.46	8		99.1	0	6	100.0	0.001	•	•	0.001
40			8.46	0.96	97.0	-	6.86	6	99.1	6	6		0	10000	0	0.001
	7.		4.			8.46	6.86	99.1			6	100.0	0000	0		0000
70	-		*				8		99.1	6			0	•	100.0	
8	1.	0.06	8.46	•	1.	97.8	8 .		99.1	99.5				0	0	
2 0	7.		94.8	96.0	0.26	97.8	98.9	99.1	99.1		8.66	1000	0000	100.0	100.0	00.00

TOTAL NUMBER OF OBSERVATIONS

1240

SMOS DIRNAVOCEANMET

0

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

0

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

2000

FEB

00 NOURS (1 8 T.)

/ISIBILITY (STATUTE MILES)

8

*

0

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2 5/16

*

17

2 2%

4

AI

2

(FEET)

NO CEILING

0

58.9 58.9 58.9 5 29.6

8

29.6 0119 61.0

61.0

61.0

61.0

61.0

61.0

6003

60.3 61.7

55.3 60.3

51.8

53.5

Y 14000

58.9

57.5 58.9

59.6

62.4 62.4

62.4

62.4 62.4 62.4 62.4

0.99

0.99 0.99 0.99 0.99

59.6

59.6

58.9

58.9 58.9 58.9 58.9 58.9 58.9 59.6 59.6 59.6 59.6

57.5 58.9

55.3

51.8

VI VI 00091

54.6

0.99 1.89 0.99 0.99 0.99 68.1

0.99

0.99

0.99 0.99 68.1

8

0.99 0.99 68.89 69.5 8.89

0.99

68.1 8.89 74.5 15.2 69.5

69.8

69.5

68.89 68.1

68.8 69.5

68.89

8.89

8.89

8.89

68.8 69.8 74.5 80.1 0.68

62.4 66.0 65.3

56.0

2000

AI AI

0

68.8

66.7 70.9 71.6 76.6

63.1 68.1

56.7 6.09

900

AI AI

73.1 73.8

68.1

67.4 68.1

68.1 68.1 68.1

0.99 0.99

0.99

0.99

65.3 65.3

63.8

63.8

60.3 61.7

55.3

9000

AI AI

0

55.3

26.0

68.1

83.0 83.0 75.2 74.5 80.1 87.9 87.9 83.0 80.1 83.0 80.1 74.5 75.2 87.9

83.0

87.9

87.9

83.0

87.9 92.9

87.9

6.48 6.26

6.18

86.5

84.4

78.7

6.01

3000

AI AI

0

75.2

4.19

73.1

65.3

AI AI

61.0

9.26 93.6

92.2

88.7

80.9

72.3

2000

MIAIA

92.2

88.7

80.9

72.3

1500

ALAI

0

93.6

88.7

80.9

91.5

88.7

65.6

83.0 83.0 83.0

80.1

80.1 83.0

80.1

80.1

80.1 75.2 74.5 69.5

> 78.7 79.4 81.6

75.2

75.2 80.1

75.2

75.2

74.5

74.5 75.2

74.5

74.5

24.3

93.6 92.9 92.9 93.6 93.6 96.5 93.6 92.9

93.6

96.5

96.5 96.5 96.5 97.2

93.6

93.6

6.26 93.6

6.26

92.9

97.2

96.5 96.5 97.2

97.2

95.7 96.5

95.7

95.7

95.7

93.6

88.7

80.9

93.6

88.7 88.7

6.08

80.9

72.3

88

ALAI

95.7

93.6

80.9 88.7

72.3

1200

AI AI

0

5.96

96.5

93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93.6 95.7 95.7 95.7 95.7 96.5

97.2

6.16 97.2

97.2

98.6 98.6

98.6

9.86

8.66

66.66

98.6

97.9

97.2

96.5

64.3

88.7

60.08

6.46

80.9 88.7

72.3

88

ALAI

88

AIAI

96.5

64.3

80.9 88.7 80.9 88.7

96.5 97.2

6.96

95.7

93.6

80.9 88.7

72.3

88

ALAI

0

96.5

96.5

7.56 95.1

93.6

98.6

6.76

97.2

97.2 97.9

96.5

7.56 96.5

95.7 95.7

97.2 6.46

98.6 8.66 99.3 66.3 86.3

66.3

98.6

97.2

66.3

1111

98.6

97.9

97.2

64.3

80.9

72.3

80

ALAI

80.9

141

TOTAL NUMBER OF OBSERVATIONS

SMOS

DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUNIS JAPAN

43324

HOURS (LST.)

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F E B

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

		-	-				_	-			-		~		~	-		-	_	-	_	-	-		~	-	_	_	-	_	-	_	~
	٨١	50.4		53.2	53.2	53.2			58.5	63.1	63.1	63.1	999	68.1	73.8	-	86.5	89.4	5.	92.9	5	9	97.2	97.2	-	97.9		99.3		66		99.3	100
	% Al	0	3			53.2	;		8	3	3.	3.	•		3	-	. 9	6	2.	2.	2	.9	-	-	1.	-	-	. 6	6	66.3	6	•	99.3
	91/5:	0	3.		3		*			3.	63.1	53.1	.0	68.1	3	7			5	2.	3	6.		97.2	-		•		6.66	8.66		6.3	•
	AI %		.2	.2	.2		9.	.5	.2	7.	1.	7.	0.	7.	. 8	.3	.5	4.	•	6.	0.	. 7	5	. 5	.2	~	2	9.	9.	•	98.6	98.6	
	*	4.	3.2	2.	3.2	53.2	4.6	7.5	8.2	3.1	3.1	3.1	0.9	-	3.8	7.3	6.9	4.6	5.9	5.9	2.0	2.1	6.9		7.2	2.	7.2	9.8	8.6	98.8	8.6	9.86	•
	% AI	4.	3.2	3.5	3.2	3.2	4.6	7.5	8.2	3.1	3.1	3.1	0.9	1.	3.8	7.3	6.5	4.6	5.0	5.9	2.0	2.1	6.5	6.5	7.2	7.2	7.2	9.8	9.8		8.6	98.6	00
	- 1	4.0	3.2	.2	3.2	3.2	9.	7.5	.2	3.1	3.1	3.1	0.9	•1	3.8	7.3	6.5	4.6	5.9	6.	5.0	5.7	6.5		7.2	2.	7.2	9.	8.6	9.	8.6	•	8.6
VISIBILITY (STATUTE MILES	¥1 ¥	4.	3.2	2.	3.2	53.2	4.6	7.5	8.2	1.		1.	0.		8.	.3	2	4.	6.	6.	0	0	0	0	~		1.	2.	.2	.2	_	2	2.
ILITY (STAT	۲۱%	4.	3.5	_	3.2	53.2	0	7.5	2	. 1	3.1	-1	0.9	8.1	3.8	*	6.5	3.	5.9	5.9	9.0	2.0	0	5.0	5.1		5.7	s.	6.9	6.5	6.5	6.3	96.5
VISIB	7 Al	5.0		2	3.2	100	*	.5	8.2	3.1	3.1	3.1	0.9	68.1	3.8	7.3	6.9	4.	2.2	2.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	.3	4.3		4.3
	N 2 1/2	4.	3.2	3.2	3.2	2.	4.6	7.5	8.2	3.1	3.1	3.1	0.9	-	3.8	7.3	, w	3.	2.2	_	4.3	6.	4.3	_	4.3	.3	4.3	E)		4.3	-	4.3	84.3
	e Al	4.0		3.2	3.2	53.2	4.6	.5	8.2	3.1	7.	3.1	0.9	7	3.8	7.3	6.9	4.	2.2	2.2	3.6	9.	3.6	9.	3.6	3.6	3.6	3.6	3.6	•	3.6	9.	3.6
	4	6	52.8	2.5	2.5	e .	3.0	56.7	57.5	4.	4	4.	es.	4		6.		6.			-:	-:		-		-			. 1		0.1	1.06	1006
	S AI						-	0	9	0	0	9	3	.5	in		7	0	3	.3	0	0	0	0	0	0	0	0	0	0	83.0	0	•
	9	44.7	-	7	46.1	46.1		0.	49.7	6	0	6.	0	~	-			-:		80			80	8		00	00	8	00		73.8	. 8	8
	2																																
CEILING		NO CEILING	₹ 20000	18000	2 16000	7 14000	≥ 12000		000 Ai		7000		2000		1 4000		3000		2000		1500	1	1000		8		8		8		300	81	0
		Ž						_																									

TOTAL NUMBER OF OBSERVATIONS

SERVICE DETACHMENT, ASHEVILLE, NO

0.6 HOURS (1.5.T.) FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20 26 25 24 42 42 45 42 42 42 42 42 42 42 42 42 42 42 42 42	CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
36.2 39.7 41.8 42.6 42.6 47.5 <td< th=""><th>(DEET)</th><th>2</th><th></th><th></th><th></th><th></th><th></th><th></th><th>2</th><th>•</th><th>Ā</th><th>% AI</th><th>* 41</th><th>% AI</th><th>2 5/16</th><th>AI N</th><th>٨١</th></td<>	(DEET)	2							2	•	Ā	% AI	* 41	% AI	2 5/16	AI N	٨١
18000 40.4 44.0 46.8 47.5 47.5 47.5 47.5 47.5 47.5 47.5 47.5	NO CEILING		36.2	39.7		25	21	2	20	25	100				25	42.	42
10000	1 4 4 4		4 4		0 0			7					27.5			474	-
10000	The same of the same		4.04		· c a	~ 3	- 00	1 0	. 8	- 00			- 00		. 6	47	14 4
1000 50.4 54.6 57.5 58.2 58.2 58.2 58.2 58.2 58.2 58.2 2000 50.4 54.6 57.5 58.2 58.2 58.2 58.2 58.2 58.2 2000 50.4 54.6 57.5 58.2 58.2 58.2 58.2 58.2 58.2 2000 50.4 54.6 57.5 58.2 58.2 58.2 58.2 58.2 58.2 2000 51.8 56.0 58.9 59.6 59.6 59.6 59.6 59.6 59.6 59.6 59			46.8		E 4	+ 5	40	4 5	3.0	300	4 87	* 10	410		450	54.	N W
50.00 51.8 56.0 58.9 59.6 59.6 59.6 59.6 59.6 59.6 59.6 59			50.4			8 8	ထာထ	00 00	8 8	80 80	80 80		80 00	20 00	80 80	58.	+
4000 53.2 57.5 60.3 61.7 61.8 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.3 62.2 62.2 67.2			50.4		- 00	80	00	00	80	30	00		00		0 0	58.	29 88
3500 61.7 67.4 70.2 72.3 72.3 72.3 72.3 72.3 72.3 72.3 3000 68.8 75.2 79.4 81.6 81.6 81.6 82.3 82.3 82.3 82.3 82.3 80.1 84.4 87.2 87.2 87.2 87.9 87.9 87.9 87.0 72.3 80.1 84.4 87.2 87.2 87.2 87.9 87.9 87.9 87.0 73.8 81.6 85.8 88.7 90.1 91.5 91.5 91.5 91.0 73.8 82.3 86.5 90.1 90.1 94.3 96.5 96.5 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2			53.2		0 0	- 8	- &	- 80	8	8	- 00		-18	-100	- 0	68.	68
2500 70.9 77.3 81.6 83.7 83.7 83.7 84.4 84.4 84.4 84.9 87.2 87.2 87.2 87.9 87.9 87.9 87.9 87.0 1300 72.3 80.1 84.4 87.2 87.2 87.2 87.9 87.9 87.9 1300 73.8 81.6 85.8 88.7 88.7 90.1 91.5 91.5 91.5 91.0 73.8 82.3 86.5 89.4 89.4 92.2 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3			68.8		00	2:	~ -	2:	200	NN	200	20	200	22	200	72.	428
1200 72.3 80.1 84.4 87.2 87.2 87.2 87.9 87.9 87.9 1500 73.8 81.6 85.8 68.7 88.7 90.1 91.5 91.5 91.5 91.000 73.8 82.3 86.5 89.4 89.4 92.2 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3	1		70.9		- 4	. ·	w 1-	mr.	\$ 1-	3 5	3 -	31	3 -		31	84.	00 00
1200 73.8 81.6 85.8 58.7 86.8 92.2 92.2 92.2 92.2 92.2 92.2 92.2 92			72.3		4 20	- &	2.00	-0	-:		::		91.5		91.5	91	91
300 73.8 82.3 86.5 90.1 94.3 94.5 97.5 97.5 97.5 97.5 97.2			73.8		00	200	200	ON	23	2 .	4 %	2 .	**	34	2 .	94.	94
73.8 82.3 86.5 90.1 90.1 94.3 99.5 95.5 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2			73.8		00	00	00	24		. 0	÷ -	31-	: -		::	96	00
200 73.8 82.3 86.5 90.1 90.1 95.0 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2			73.8		00	00	00	4 4	00	00	::	97.2			::	97.	20
200 73.8 82.3 86.5 90.1 90.1 95.0 97.2 97.2 97.2 97.2 200 73.8 82.3 86.5 90.1 90.1 95.0 97.2 97.2 97.2 97.0 0 73.8 82.3 86.5 90.1 90.1 95.0 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2			73.8					3.0	::	::	::	0 0		0 00		98	20
0 73.8 82.3 86.5 90.1 90.1 95.0 97.2 97.2 97.			73.8					200						98.6	00 00	98.	
	80		73.8				00	50 50		2.	7.	98.6	98.6		8 8	98.6	

0

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TOTAL NUMBER OF OBSERVATIONS

141

0

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUNI, JAPAN

00 HOURS (1 S T)

9110

FEB

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

No Cellino 19-9 41-11 43-3 44-7 45-4 45-14 46-11 46-	CEILING							VISIA	BILITY (STA	VISIBILITY (STATUTE MILES)	(\$)						
24.1 46.8 48.8 9 51.1 43.3 44.7 45.4 45.1 45.1 45.1 46.1 46.1 46.1 46.1 46.1 46.1 46.1 46	(FEET)									-	Ā	Trans.	1		8		
24.1 46.2 50.4 52.5 53.2 53.2 53.9 53.9 53.9 53.9 53.9 53.9 53.9 53.9	NO CEILING	5	1:		4	5	10	6	9	0	9	9				9	
10000 24.1 48.2 50.4 52.5 53.2 53.2 53.9 53.9 53.9 53.9 53.9 53.9 53.9 53.9	≥ 20000	,	. 9		-	-	-	2	2	2	2	2.		2		2.	
10000 24.1 48.2 50.4 52.5 53.2 53.2 53.9		4	8		2	5	9	3.		3		3		3		3.	
14000 24.1 48.2 50.4 52.5 53.2 53.2 53.9 53.9 53.9 53.9 53.9 53.9 53.9 53.9		4				3			3		3						
10000 24.8 51.8 54.6 56.7 57.5 57.5 58.2		3			2	3	3	3	3	3		in		3		•	53.9
10000 24.8 51.8 54.6 56.7 57.5 57.5 58.2 58.2 58.2 58.2 58.2 58.2 58.2 58		*				*	*	5	3	5	5	3		2		•	55.3
24.8 54.6 58.2 60.3 61.0 61.7 62.4 62.4 62.4 62.4 62.4 62.4 62.4 62.4	1	*	-		. 9	1.	-	8	8	8	00	00		8		8	
24.8 54.6 58.2 60.3 61.0 61.7 62.4 62.4 62.4 62.4 62.4 62.4 62.4 62.4		*	:		•	-	7	8	8			8		8			58.2
24.8 54.6 58.2 61.0 61.7 62.4 63.1 63.1 63.1 63.1 63.1 63.1 63.1 63.1	1	4	3		0	-	-	2.	2	2	2	3.		2		2.	62.4
26.2 56.9 54.6 58.9 61.7 62.4 63.1 63.8 63.8 63.8 63.8 63.8 63.8 63.8 63.8		;			-	-	2	3	3	3	3					3	63.1
26.2 58.9 63.1 66.0 66.7 67.4 68.1 68.1 68.1 68.1 68.1 68.1 68.1 68.1	1	3	54.		-	2		3	3	3						3	63.8
26.2 60.3 64.5 66.1 68.8 69.5 70.2 70.2 70.2 70.9 70.9 70.9 70.9 70.9 70.9 70.9 70.9			58.				-	*		8		8					68.1
27.7 64.5 70.2 74.5 75.2 75.9 76.6 76.6 77.3 77.3 77.3 77.3 77.3 77.3	1	6.	.09		8	83	6	0	0	0	0						70.9
3500 29.1 69.5 76.6 80.9 81.6 83.0 83.7 83.7 84.4 84.4 84.4 84.4 84.4 84.4 84.4 84		-	64.		4	3	2				-						77.3
3000 29.1 71.6 78.7 83.7 83.7 83.7 83.7 84.4 84.4 84.4 84.4 84.4 84.4 84.4 84		-	.99		5	9	-	00	8		8						78.7
29.1 71.6 78.7 83.7 83.7 85.1 85.8 85.8 86.5 86.5 86.5 86.5 86.5 86.5		6	69		0	-	50		3	8	;						84.4
29.1 71.6 78.7 83.7 84.4 85.8 87.2 87.9 87.9 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89		6	-			3.	5	5	s.	5							86.5
1500 29-1 71.6 78-7 83-7 84-4 85-8 87-2 88-7 89-4 89-4 89-4 89-4 89-4 89-4 89-4 89-4		6	-			*	3	-	7	-	6						89.4
1200 29-1 72.3 79-4 84-4 85.8 87-2 88.7 89.4 89.4 91.5 91.5 91.5 91.5 91.5 91.5 91.5 91.5		29.1	-		3	4	5	-	7	2	6						89.4
1200 29.1 72.3 80.1 85.1 86.5 87.9 90.1 90.8 90.8 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92			2		4	5	-		6	6	-						91.5
29.1 72.3 80.1 85.8 87.9 89.4 92.2 93.6 96.5 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2		6	72.		5	6.	7.	.0	0	0	2						92.9
29.1 72.3 80.1 85.8 87.9 89.4 92.2 93.6 94.5 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2		6	72.			-		2	3	3	;						97.2
800 29.1 72.3 80.1 85.8 87.9 89.4 92.2 93.6 96.5 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2		6	72.		3.	1.	6	2			•	•					97.2
29.1 72.3 80.1 85.5 87.9 89.4 92.2 93.6 93.6 94.5 97.2 97.2 97.2 97.2 93.6 93.6 94.3 97.2 97.2 97.2 97.2 97.9 94.3 97.9 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98.3 300 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 97.9 98.6 98.6 98.6 98.6 98.6 98.6 99.31 20 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 98.6 98.6 99.31 100 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 97.9 98.6 98.6 98.6 99.31 0		6	72.		5	-	6	3.	3	3							97.2
29.1 72.3 80.1 85.8 87.9 89.4 92.2 93.6 93.6 96.5 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.9 50.2 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.3 20 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.3 20 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.3 100 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 99.6 99.3 100 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 99.5 99.3 100 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.3 100 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 99.5 10 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 99.3 10 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 99.3 10 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 99.3 10 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.3 10 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 98.6 99.3 10 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.3 10 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.3 10 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.8 10 98.6 98.6 99.3 10 92.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98		6	72.		5	-	6	2	6	3	\$					-	97.9
20. 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 99.6 99.3 30. 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.3 20. 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.3 10. 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.3 10. 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.3 10. 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 99.3 10. 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 99.3 10. 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 99.3 10. 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 99.3 10. 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 99.3 10. 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 99.3 10. 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.3 10. 29.1 72.3 80.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.3 10. 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.3 10. 29.1 72.3 80.1 92.9 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.3 10. 92.9 94.3 97.9 98.6 98.6 98.6 98.6 99.3 10. 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.3 10. 92.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 99.3 10. 92.6 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98			72.			-	6	5		3	;					-	97.9
29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 99.6 99.3 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 99.3 100 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.3 100 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.3 100 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.3 100 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 99.3 100 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 99.3 100 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 99.3 100 29.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 99.3 100 29.1 97.9 98.6 98.6 99.3 100 29.1 97.9 98.6 98.6 98.6 99.3 100 29.1 97.9 98.6 98.6 99.3 100 29.1 97.9 98.6 98.6 98.6 99.3 100 29.1 97.9 98.6 98.6 99.3 100 29.1 97.9 98.6 98.6 99.3 100 29.1 97.9 98.6 98.6 98.6 99.3 100 29.1 97.9 98.6 98.6 98.6 99.3 100 29.1 97.9 98.6 98.6 98.6 98.6 99.3 100 29.1 97.9 98.6 98.6 98.6 98.6 98.6 98.6 98.6 98			2			8	0	2	4	3		•					66.3
200 29-1 72-3 80-1 86-5 88-7 90-1 92-9 94-3 94-3 97-9 98-6 98-6 98-6 98-6 99-31 200 29-1 72-3 80-1 86-5 88-7 90-1 92-9 94-3 94-3 97-9 98-6 98-6 98-6 98-6 99-31 100 29-1 72-3 80-1 86-5 88-7 90-1 92-9 94-3 94-3 97-9 98-6 98-6 98-6 98-6 99-31 0 29-1 72-3 80-1 86-5 88-7 90-1 92-9 94-3 94-3 97-9 98-6 98-6 98-6 98-6 99-31			2			8	0				-						99.3
200 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.31 100 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.31 0 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 99.31			2		0		0	5.	;	*	-						0.001
100 29-1 72-3 80-1 86-5 88-7 90-1 92-9 94-3 94-3 97-9 98-6 98-6 98-6 98-6 99-31 0 29-1 72-3 80-1 86-5 88-7 90-1 92-9 94-3 94-3 97-9 98-6 98-6 98-6 98-6 99-31			72.	80.1	6.		0	2	*	6.96	-	•					100.0
0 29.1 72.3 80.1 86.5 88.7 90.1 92.9 94.3 94.3 97.9 98.6 98.6 98.6 98.6 98.6 99.31		6	72.	80.1	9		0	2.			-						10000
			72.	80.1			0	2		-	1.						100.0

TOTAL NUMBER OF OBSERVATIONS

141

1 =

0

WAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUNI, JAPAN

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12 HOURS (1.5.7.)

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FEB

77.3 97.2 34.6 56.0 8.06 63.1 83.0 39.7 44.0 50.4 88.7 95.7 0.0010.0016.66 88.7 99.3100.0100.0 99.3100.0010.09 99.3100.0100.0 40.4 ٨١ 26.0 6.26 0.44 2.16 99.3 77.3 83.0 1.69 36.5 97.2 40.4 50.4 58.9 8.06 12.56 39.7 49.7 51.1 54.6 88.7 88.7 44.0 45.6 ٨١ 97.2 98.6 26.0 0.44 44.0 77.3 65.6 51.1 83.0 8.06 96.5 97.2 39.7 63.1 88.7 88.7 95.7 4004 50.4 54.6 58.9 45.6 49.7 39.7 AI 58.9 77.3 97.2 44.0 50.4 63.1 8.66 39.7 34.6 65.6 95.7 96.5 0.44 8.06 66.3 40.4 42.6 51.1 83.0 88.7 88.7 97.2 98.6 98.6 99.3 86.3 49.7 A 60.66 77.3 2.16 66.3 50.4 63.1 38.3 44.0 44.0 58.9 92.9 97.2 80.3 99.3 55.3 56.0 56.0 96.5 39.7 4004 45.6 51.1 51.1 54.6 83.0 83.0 88.7 8.06 95.7 88.7 30. Al 90.8 0.44 84.6 63.1 77.3 6.26 44.0 50.4 58.9 88.7 7.56 96.5 97.2 8.66 8.96 30.5 39.7 92.9 95.0 97.2 98.6 39.7 40.4 ٨١ 16.6 95.0 58.5 87.9 92.2 86.5 39.0 41.8 48.9 53.9 62.4 62.4 82.3 87.9 49.7 50.4 50.4 90.1 94.3 43.3 95.0 Al VISIBILITY (STATUTE MILES) 39.0 55.3 76.6 6.26 39.0 41.8 58.5 6.26 49.7 93.6 93.6 43.9 53.9 91.5 92.9 93.6 93.6 43.3 87.2 89.4 93.6 82.3 71 92.9 39.0 37.6 \$0.4 62.4 93.6 76.5 \$ 68 91.5 43.3 43.3 49.7 53.9 55.3 58.5 87.2 87.2 6.26 65.6 6.26 82.3 90.8 92.9 93.6 93.6 90.8 92.2 9 76.6 6.26 50.4 92.2 6.26 86.5 8.06 39.7 55.3 4.29 88.7 92.2 90.8 92.2 92.9 39.0 39.0 91.6 86.5 6.76 6.84 53.9 41.8 43.3 43.3 49.7 58.2 ۲ ۱۸ 53.9 85.8 4.68 8006 8.06 39.0 76.6 8.06 8.06 41.8 43.3 62.4 81.6 58.2 48.9 49.7 55.3 55.3 AI 16.6 87.9 39.0 39.0 50.4 58.5 85.8 1.06 1.06 81.6 85.8 43.3 43.3 48.9 49.7 39.7 53.9 62.4 88.7 90.1 90.1 1.06 1.06 1.06 90.1 1.06 41.8 M Al 53.2 54.0 38.3 39.0 41.1 45.6 48.2 74.5 82.3 82.3 84.4 86.5 86.5 86.5 49.7 86.5 86.5 86.5 42.6 6.09 74.5 79.4 86.3 86.5 86.5 85.1 86.5 ٨١ 26.0 45.4 50.4 77.3 77.3 19.4 36.2 80.1 80.1 80.1 0.44 80.1 80.1 35.5 39.7 52.5 69.5 79.4 80.1 37.6 38.3 44.7 48.9 80.1 80.1 Al 34.8 38.3 43.3 68.89 71.6 71.6 38.3 8.94 73.8 73.8 73.8 73.8 73.8 13.8 41.8 48.2 52.5 63.8 73.8 73.8 73.8 42.6 50.4 34.8 AI 20.6 19.9 28.4 50.02 20.6 22.0 19.9 21.3 22.0 38.3 39.7 19.9 25.5 20.5 35.5 39.7 24.1 39.7 39.7 39.7 39.7 39.7 39.7 39.7 39.7 39.7 39.7 39.7 2 40 CEILING (FEET) ¥ 20000 18000 12000 9000 2000 2000 4500 3500 2000 1200 8 8 80 1500 88 88 88 ALA ALAI ALAI ALAI MIM ALAL ALAI ALA AI AI AI AI ALAI AI AI ALAI AI AI

TOTAL NUMBER OF OBSERVATIONS

141

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

F FB

OCCURRENCE	ATIONS)
9	ERV.
FREQUENCY	(FROM HOURLY OBSERVATIONS
PERCENTAGE FREQUENCY OF OCCURRENCE	(FROM I

NO CEILING 2 20000 2 18000	2 19.2 26.2 27.0	28.4 36.2	29.8 37.6	30.5 39.0 39.0	≥3 30.5 39.0	31.2	31.2	31.2	31.2		31.2	31.2	2		
	- 00 -	0 -4	-120	42.6	42.6	m + 60		m + m		m + m	m + 00	10 4 00	43.3	· · · ·	
000 000 000 000 000 000 000 000 000 00	10 mm 0 4	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		10000		100000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	300 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	50.00		50.44.05	50.4		800-	
	5-5-	0000	2000	500	0000	00-00	00-0		0 0 0 0	10 m 0 0	יה מים	0 0 m N		0 0 m n	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	50000	78.0	78.7 78.7 80.9 80.9		300 300 300 300 300 300 300 300 300 300	87.9 87.9 87.9 87.9 87.9	921.5		985.1 900.1 94.6 94.3	92.01 92.01 93.0	000400	000000	000400	94.3 95.7	
88 88	0000	00000	0000	- 0000	0000	- 1 2 2 2	NO m +	3000	3000	4 10 10 0			2-1-0	07.0	
88 88 88	44444		00000	80 80 80 80 80 80 80 80 80 80 80 80 80 8	000000000000000000000000000000000000000		94.3	96.5	96.5 97.2 97.2			98.6 98.6 99.3 99.3			

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

3 2

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUMI, JAPAN

73-77

HOURS (LST.)

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

No CRUING 25 4 - 6 4 -	CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILI	(53)					
24.00	(FEET)			\$ AI	4	2.5	1			-	-			3		1
25.5 46.8 46.8 48.2 49.7 50.4 51.1 51.1 51.1 51.1 51.1 51.1 51.1 51	NO CEILING	2	2.			0	.0	9	0			9	6	6	0	46.8
25.5 64.7 51.4 52.5 53.6 53.2 53.2 53.2 53.2 53.2 53.2 53.2 53.2		4				0	-	-	-	-	-	-	-	-	-	51.1
10000 25.5 4 8.9 \$ 9.0 \$ 51.8 \$ 25.5 \$ 32.2 \$ 53.2		3	8			2			3	3		ë		3	3	3
25.5 49.7 51.1 52.2 54.6 56.7 57.2 53.9 54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0		5	8			2		-		3		3		3		3
13000 27.0 51.1 52.5 54.6 55.3 56.0	1	5				3	4	4		*	*	4	*	*	*	
10000 28.4 53.2 54.6 56.7 57.5 58.2 58.2 58.2 58.2 58.2 58.2 58.2 58		7	-			5	9			;		;		9		
3000 28.4 53.2 54.6 56.2 58.2 <th< td=""><td></td><td>00</td><td>3</td><td></td><td></td><td></td><td>8</td><td></td><td>8</td><td>8</td><td>8</td><td>8</td><td>8</td><td>8</td><td>8</td><td>8</td></th<>		00	3				8		8	8	8	8	8	8	8	8
29.8 56.7 58.9 61.7 62.4 60.3 61.0 61.0 61.0 61.0 61.0 61.0 61.0 61.0		*				-	8	8								8
7000 29.8 56.7 58.9 61.7 62.4 63.1 63.1 63.1 63.1 63.1 63.1 63.1 63.1		0				0	-	-	-	-	-	-	-	-	-	-:
30.00 31.2 57.5 57.5 57.6 62.4 63.1 53.8 63.6 53.6 63.8 63.8 63.8 63.8 63.8 63.8 63.8 6						2	6	3		-		3		3	3	3
31.2 61.0 63.8 66.7 67.4 68.1 68.1 68.1 68.1 68.1 68.1 68.1 68.1		0				3	3	3	3.		3.		3	3	3.	3
31.2 62.4 65.3 68.1 68.8 69.5 69.5 69.5 69.5 69.5 69.5 69.5 69.5		-				-	8	. 8		8		*	8	8		8
33.3 51.9 63.8 66.7 69.5 70.2 71.6 71.6 71.6 71.6 71.6 71.6 71.6 71.6		-	:			8	6	6	6	6	6	6	6	.6	6	6
35.00 38.3 77.9 81.6 85.1 86.5 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88		-				0	-	:	-	-	-	-	-	-	-	-
38.3 75.9 79.4 87.3 83.0 84.4 84.4 84.4 84.4 84.4 84.4 84.4 84	1	3	-			*	5	5	5	5		3	3	5	3	5
2500 38.3 77.3 81.6 85.1 86.5 38.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7			78.9			3	4	*	;		4	+	;		;	;
2000 38.3 78.7 84.4 87.9 90.8 92.9 92.9 92.9 92.9 92.9 92.9 92.9 92		03	77.3			•	8		8		8	8	8	8		8
38.3 79.4 85.8 89.4 92.2 94.3 94.3 94.3 94.3 94.3 94.3 94.3 95.0 95.0 95.0 95.0 95.0 38.3 79.4 85.8 89.4 92.2 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3		80	78.7			0	2.	2	2	2	2	3	2	2	2	3.
1300 38.3 79.4 85.8 89.4 92.2 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3			78.7			-		3	3.	3		3	3	3		3
1200 38.3 79.4 85.8 89.4 92.2 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3			19.4			2.	\$;	;	;	*	4	5	3	3	3
38.3 79.4 85.8 89.4 92.2 95.0 95.7 95.7 95.7 95.7 95.7 95.7 95.7 95.5 96.5 96.5 96.9 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97		0	19.4			2.	*	4	*		*	*	2	5	5	3
38.3 79.4 85.8 89.4 92.2 95.7 96.7 96.5 96.5 96.5 96.5 97.2 97.2 97.2 97.2 97.2 97.2 97.2 97.2		8	79.4			2.	3		3	3		5			;	
800 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 97.2 97.2 97.2 97.9 97.9 97.9 97.9 97.9		*	.6			2.	5	5	3.	5	3	.0	-	1.	1	
200 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 96.5 97.2 97.2 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 97.9 98.6 98.6 98.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 96.5 97.9		8	6			2.	3		•	;	•	-	2		-	97.9
300 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 96.5 97.2 97.2 97.9 98.6 98.6 9 300 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 96.5 97.9 97.9 97.9 99.3100.0100.010 300 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 96.5 97.9 97.9 97.9 99.3100.0100.010 300 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 96.5 97.9 97.9 97.9 99.3100.0100.010 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 96.5 97.9 97.9 97.9 99.3100.0100.010		8	6			3	5	. 9	•	9			-	-	-	-
300 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 96.5 97.9 97.9 99.3100.0100.010 300 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 96.5 97.9 97.9 97.9 99.3100.0100.010 300 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 96.5 97.9 97.9 97.9 97.3100.0100.010 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 96.5 97.9 97.9 97.9 99.3100.0100.010 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 96.5 97.9 97.9 97.9 99.3100.0100.010		00	6			2	10			9		-	-			98.6
300 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 96.5 97.9 97.9 97.9 99.3100.0100.0100.0100 200 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 96.5 97.9 97.9 97.9 3100.0100.010 100 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 96.5 97.9 97.9 97.9 99.3100.0100.010 100 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 96.5 97.9 97.9 97.9 99.3100.0100.010		8				2	5.	9	0	9		-	6	0	0	
300 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 96.5 97.9 97.9 99.3100.0100.010 200 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 96.5 97.9 97.9 99.3100.0100.010 100 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 96.5 97.9 97.9 99.3100.0100.010		3	6		6	2	3	.9				-		ċ	0	
200 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 96.5 97.9 97.9 99.3100.0100.010 100 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 96.5 97.9 97.9 99.3100.0100.010			6		6	2.	5	. 9		0		-		0	0	
0 38.3 79.4 85.8 89.4 92.2 95.7 96.5 96.5 96.5 96.5 97.9 97.9 99.3100.0100.010		8		•	6	5	3	. 9	•	0	0	-		0	00	
0 38.3 79.4 85.6 89.4 92.2 95.7 96.5 96.5 96.5 97.9 97.9 99.3100.0100.010		8	•			2.	5	. 9	9	•	. 9			0	0	
		*				2	3					-	66.3	0	0	

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

I WAKUMIS JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

2

(FEET)

NO CEILING

0

VI VI 00081 00081

0

12000

000 000 000

AI AI

0

200 200 200

ALAI

0

900

AI AI

4500 400 400

AI AI

0

3000

ALA

2000

AI AI

1800

ALAI

88

AI AI

0

88

ALAI

88

ALAI

0

88

AI AI

0

88

AI AI

80

ALAI

3

FEB

3870

97.2 0.0010.0100.0100.0100.00 99.3100.0100.0100.0100.06 0.0010.0010.0010.001 1 69.5 73.8 84.4 57.5 57.5 57.5 57.5 6.26 97.2 61.6 96.5 83.7 88.7 5116 92.9 92.9 6.16 95.7 96.5 ۸Ι 59.6 84.4 69.5 61.6 96.5 96.5 96.3 97.2 69.8 73.8 77.3 91.5 91.5 91.5 97.9 63.1 63.1 68.1 83.7 88.7 92.9 95.7 96.5 96.5 96.5 2 5/16 69.5 69.5 69.5 ٨١ 84.4 36.5 6.46 83.7 88.7 97.2 92.9 92.9 96.5 * 96.5 61.5 97.2 68.1 69.5 30.5 77.3 84.4 92.9 69.5 83.7 88.7 9.69 69.5 84.4 26.0 91.5 98.6 98.6 63.1 77.3 6.26 97.2 69.5 73.8 95.0 98.7 7.56 95.7 98.6 68.1 68.1 68.1 68.1 96.5 97.2 98.6 63.1 88.7 ٨I 65.6 26.0 0.56 9.69 63.1 69.5 77.3 84.4 95.0 95.0 95.0 1.56 97.2 97.2 91.5 97.2 73.8 88.7 65.6 65.6 83.7 95.7 95.7 26.0 0.36 0.56 97.2 77.3 69.5 94.48 95.9 0.56 83.7 88.7 63.1 91.5 ٨١ 95.0 69.5 92.9 1.56 69.5 73.8 77.3 88.7 6.26 7.56 29.6 84.4 0.56 7.56 63.1 61.5 63.7 4 90.1 91.5 01.0 4.10 89.4 91.5 91.5 92.2 92.2 92.2 6.26 67.4 87.9 88.7 1 2% 71.6 91.6 8.06 75.2 85.8 61.0 67.4 88.7 66.0 1.06 1.06 8.06 8.06 90.8 61.0 67.4 90.1 M 87.2 4.64 87.2 87.2 80.1 86.5 64.3 0.99 4.48 61.0 0.99 86.5 87.2 87.2 86.5 VI 73.8 60.3 61.7 68.89 58.5 24.6 78.0 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 80.1 ۸۱ 26.0 58.2 9.65 75.2 26.0 29.6 9.69 40.01 71.6 73.8 75.2 75.2 75.2 56.7 75.2 78.2 75.2 75.2 ۸I

TOTAL NUMBER OF OBSERVATIONS

141

1400

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (1 S T .) FEB.

	Al	44.	49.		50.			56.		909					72.			87.	91.	91.	93.	94.	96	96	97.	97.			66	66	66	66	00
	× AI		49.6	•	50.5		53.0	2095					;		5				=	91.1	3	;	6.96	36.5	97.4	97.7	98.4	5.66	66.6	9.66	96.6	9066	99.66
	≥ 5/16	6.44	6	0	50.5	-	3	56.2	\$:	:	-	:	2		5	:	:	-	91.1	3.		•	•			98.2	66.3	99.3	4.66	99.4	4.66	40.66
	N N				50.5			50.2			0		;		2				:	91.1	3			9			98.1	•				2.66	
	*			0		-	53.0	•	•			:	*	9	2.	•	*		-		3.	;	•	•	-	:	-			. 8		6.86	6.86
	% Al				50.5		53.0				0		*		2		;		-	91.1	3	;	•	0			97.8	8	98.7	8	98.8	8.86	98.86
ES)	-	44.8		0	ò	-	52.9	9	9	ċ	60.7	-	;	•		5	;	-	-	91.1	3.	;	95.5	5.			6.96		-			7.76	97.7
VISIBILITY (STATUTE MILES)	¥1 Y	44.8	49.5	0	50.4		52.9	56.1			60.7		3			S	;		0	8.06	2		94.6		95.3	•	95.7			96.4	96.4	96.4	96.4
IBILITY (ST	V1 7/2	44.8	6	0		-:				0	0	-	;	9	2	2		-	0	8.06	5				5	3			•	9		96.2	
VIS	K 2	. 4	49.5	•	50.4	-	52.9	.0		0	1.09	-		.0		3.	3	-	0	8006	3	2		•	;		*	5.	95.0	95.1	95.1		95.1
	> 2%	4		0	0	-	52.6	5	3	6	•	0	;	9	-	3	6	.0	6	89.5	-	-	3	2	2			2.	92.9	2.		92.9	92.9
	K 41	44.2	48.9		8.64	0	52.3	5.	5	6				5				5		88.6	0		6.06	0		-	91.2	1:	91.3	1000	61.3	:	91.3
	4	43.6			49.2	0	51.7					6	2		70.0		-	4		86.0	-		87.8		-				-	:	87.9	87.9	87.9
	N AI	2					49.1		3	2	•	56.5			66.3		76.2	78.7	80.3	80.4	81.3		81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
	9	40.0	44.0	44.6	44.7	45.2	46.5	4.64	9.64	52.0	52.6	52.9	55.9	57.5	62.0	64.5	70.6	72.7	73.9	73.9	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	
	5 1	9.6	11.9		12.2	2.	12.5		13.2	0		13.9		*	16.0					19.7			19.7				19.7				19.7	19.7	
CEILING	(FEET)	NO CEILING	≥ 20000		16000		> 12000	-	0006		7000		9000	1	900		3000		141		N 1500		1000		8		8	1	9		30		٥

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The County of the State of the

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TOTAL NUMBER OF OBSERVATIONS

1128

43324 STATION

0

0

0

0

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAR

TIE

HOURS (L S T.)

CEILING							VISI	BILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2 1	4	S AI	4	6 VI	Y 2%	1 2	V 1%	¥1 VI	- Al	N AI	* 11	Z AI	≥ 5/16	N AI	٨١
NO CEILING	7.	0	10	56.	9	-	7.		7		1.		1.		57.	
> 20000	.7	57.4	:	63.		65.2	65.2	65.2	5		5.		5		65.	
	.7		-	. 99	5	5	5	5.	5.		5.	5.	5	3.	65.	
16000	.7		-	64.	3		5	2	5	5			3		65.	
> 14000	.7		-	68.	5	0	.0	9	•		9			9	.99	
¥ 12000	.7		61.9	9	5		.9						66.5	66.5	99	66.5
	.7		2.	.99	1.			80	8	8	8			8	68.	
000	.7	57.4	2	.99	7.		. 8		8	8			*	8		
		3	:	68.	6		0	0	0	0	0		0		70.	0
7000	.7	0	5	69	0	-	-	-	=	-	:	-	-	-	71.	-
1	.7	.09	3	69	0	-	-	71.6	-	-	-	-	-	-	71.	71.6
200		.09		7:	-		2	2		3	3	2	2	2.	72.	5
		61.	-	72.	3.	4	4	4		4	4.		*	*	74.	;
1 11	.7	61.3	-	1	3		.0	9		•	•	•			76.	;
	.7	61.	6	74.	-	8	8	8	8	8	8	8	8	8	78.	8
300	.7	65.	3	79.	2	*	4			*	+	*	*	*	84.	84.5
	.7	9	5	81.	5		-			-	-			-	87.	
7000	.7	0.69		82.	7	6	6		6		6	6	6	6	89.	0
1		69.7	77.4	83.	8	0	0	0	0	0	0	0	0	0	90.	0
150			77.4	84.	6	-	2.	2	3	2	2	3	2.	2	92.	92.9
	.7		77.4	94.	6	-	2.	2.	2	2	3.	2.	2	5	92.	95.9
90		69.7	77.4	84.	.6	-	2	2	5	2	3	2	3	2.	92.	6.26
			77.4	85.	ò	2.	2.	3	3	3	;			*	94.	84.2
8	.7	69.7	77.4	85.		2	2			;	+	;			94.	94.2
	.7	69.7	77.4	85.	0	~	2.	;			*	*	5		95.	95.5
8	.7	69.7	77.4	85.	0	2	3.	;	;		3		;		96	96.1
	.7	69.7	77.4	85		2	3		*	9	0			9	96	8.96
8	.7		77.4	85.	0						.9		8		98.	98.1
	.7	69.7	77.4	85.	0	2.	3	*	*	.9	\$.0	8	8	98.	98.7
38	.7	69.7	77.4	35.	6.06	92.3	93.6		8.46	96.8	96.8	8.96	4.66		99.4	100.0
			77.4	85.	0		3				•	9	4.66	4.66	4.66	0
0	.7	69.7	77.4		0	2			*		;	•	6	4.66	6	0000

STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNIS JAPAN

43324

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03 HOURS (1.5.7.) MAR

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						C										
CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	VI 02	» Al	S AI	VI	N AI	Y 2%	N N	V1 72	¥1 X1	<u></u>	% Al	* AI	N 2	≥ 5/16	VI VI	0
NO CEILING	.7	4	5	2	7.	7.	7.	47.7	7.			47.7	47.7	47.7	47.7	47.7
¥ 20000		48	49.7	52.9		53.6	53.6	53.6			53.6	53.6	53.6	53.6	53.6	53.6
	.7	48.	6	2.	3	3.	3.		3						3.	53.6
141	.7	48.4		52.9	3			53.6	33.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
	1.	49.	0	53.6	*	3	4.		3	3	*					
17000		49.0	50.3	53.6	54.2	54.2	54.2	54.5	54.5	54.2	54.2	54.5	54.5			54.2
1	.7	52.	*	58.1	80	0	8		8	8	8	58.7		8	8	
8		52.	4	8					8		58.7	58.7				58.7
1		55.	8		3	3		3	6		3	3.	3.	3	3	
141	.7		58.7	63.2	63.9	63.9		63.6			63.9	63.9	63.9	3		
1		56.	8	3.	3	50		3	3		3			3.	9	3
8				64.5	5		65.2	65.2	5		5		5	5	5	65.2
1	1.	58.			-		-	-	-		-	-			-	-
1 41	.,			74.2	;	*	*		*	3		*	*	*		74.8
	.7						.9	9	9	9	.0	9	0	9	9	76.8
300			74.8		83.2				3		3	83.2			3	83.2
1	.7		9	82.6	8		8	8	8	8	8	8		8	8	88.4
700	.7	71.6	76.8		89.7	0	89.7	89.7	89.7		90.3			90.3	90.3	90.3
	.7			83.9	0		.0	0	0	-	-	-	:	-	-	
1500	.7	71.6	1.		2	3			3	*			4	*	*	2.46
1	.7		77.4	84.5		2.	3	3.46	*		5	-	5	5	3	95.5
1 100	.,	71.6		85.2	2.		8.76			'n		96.1	•	.0	;	96.1
	.7			85.2	2.						9	1.96	9		1.96	96.1
8		71.6	8		3	2			*			96.1	0	1.96	96.1	96.1
	.7		78.1	85.2	2		3	8.46		3	•	0			•	96.8
8	.7	•	78.1	83.2		92.9	94.8	8.46	8.46	95.5	97.4	-	-	97.4	97.4	97.4
	.7	71.6		85.2			4					4.66	4.66	4.66	7.66	4.66
9		71.6	78.1	85.2	2	2	8.46			1000	0.001	100.0		10000	0.001	0000
	.7	71.6	78.1	85.2	95.9			96.1	96.1	98.1	0.001	100.0	0000	0		
30		71.6	78.1	83.2			8.56	1.96		98.1	0.001	100.0	0.001	10000	100.0	0000
91	.7		78.1	85.2	6.26	92.9	94.8	96.1	1.96	98.1	0.001	10000	0.001		0.001	
٥	.7	71.6		85.2	65.6	92.9	8.76	96.1		100	•	100.0	100.0		0.001	0000

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TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06 HOURS (L S T) MAR

2

0

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES						
	2	۸I	\$ Al	4	e Al	1 2%	7	71 %	71	- AI	% Al	*	% Al	2 5/16	N N	٨١
			47.7	0		6		49.7	6	6		49.7	6	49.7		49.
≥ 20000		47.1	50.3	52.3	\$2.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.
					53.6	53.6	3.	3.	53.6		3.	53.6		53.6		53.
N 16000		47.7	51.0		53.6	3.6	53.6		3	3	3	3.	3.	3.	3	53.
		48.4		53.6	34.2	4.2		54.2		54.2			54.2	54.2		54.
2 12000	3.9	48.4	51.6	24.5	84.8	œ.	54.8			*						54.
	3.9	0	53.6	.0		6.8		56.8	96.8	56.8	86.8		56.8			.9
000	3.9	50.3		56.1	;	80.			9		•		;	•	•	56.8
	4.5	;			•	5.6	2.	•		•	2.		2.	2.		
7000	4.5		58.1	61.9		9.		62.6	9.29	62.6	62.6		95.0		2.	2.
	4.5	;		•		2.		3.		63.2						
2000		56.8	60.7			5.8					3	3	3	3		
		58.7		-	67.7	67.7	67.7		7.	7		67.7	67.7	-	-	67.
1 4000		64.5	68.4	2		3.6	3		3	3.		3	3		3	73.
		69.9			9	80.				.9		9			9	
3000	5.2	72.3		-		4.5	;	*		3	*	*				
		75.5				4.6	6		0		0	0	0		0	90
7 2000		78.5				0.3		-		-	-	-	-	-	-	
		75.5		85.2	89.7		0	91.0	91.0	91.6	-	91.6	91.6		-	91.
2 1500		75.5		5	0	1.0		5		3	3	3.	3	3	93.6	
	•	75.5			0	1.0	1.		3	•		3			3	
V 1000	5.5	75.5	81.9			1.6		3.	3	;	;	4	2.46	94.2	94.2	94.
08		75.5			-	9.	2.	34.5		•	;	4 .	•	;	;	
008	5.5	75.3			:	2.3	3	;			•		9	9	9	
		75.5				92.3	*			8				98.1	8	98.
8	5.5	75.5	81.9	86.5	91.6	2.3		97.4	-	4.66		6	4.66		4.66	99.
		75.5				2.3	5	4.76				6	6	6	6	.66
7 400	5.5	75.5			91.6	2.3	95.5	4.76	97.4		99.4		4.66	49.4	99.4	66
		75.5	81.9	86.8	91.6	2.3		4.76	4.16	4.66		100.0	100.00	0.001	100.0	
2 200	•	75.5			91.6	2.3		4.76	4.16	4.66	99.4	0	0		0	1001
91	2.5	•	81.9	86.5	91.6	65.3	95.5	4.76	4.16	7.66	4.66		0			001
0	•	75.5	81.9	86.5	91.6	65.3		4.16	4.16	4.66	4.66	100.0	100.00	0000	100.0	001

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

10

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

I WAKUNI, JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAR MONTH 09 HOURS (1. 5.7.)

CEILING							VIS	VISIBILITY (STATUTE MILES	ATUTE MILI	(S)						
	5	٨١	% A1	A I	κ Al	2 2%	N Al	۷۱ ۶۲	VI 72	<u></u>	% Al	*	Z Al	≥ 5/16	NI N	٨١
NO CEILING	17.4	43.9	48.4	52.3	52.9		54.2	54.2	54.2	54.2	54.2	54.5	54.2	54.2	54.2	54.2
≥ 20000	8				58.1	00	59.4	59.4	59.4	59.4				59.4		59.4
	8	6		58.1	58.7	20.4				0.09	0.09	0.09	0		•	0.09
1 16000	19.4		54.2		\$9.4	60.0	60.7	60.7	4.09	2.09	0	60.7	60.7	1.09	2009	60.7
				58.7	59.4		60.7	40.7	60.7	60.7	60.7	409	60.7	60.7	60.7	60.7
12000		6		59.4	0.09	60.7		61.3	61.3	61.3		61.3	61.3	61.3	61.3	61.3
1	-	3			63.2		64.5	64.5	*	64.5	64.5	*		4.	*	64.5
000 AI	-	52.9		63.9	64.5	65.2		65.8	•		65.8		65.8	65.8	65.8	65.8
	-	9		67.7		6	1.69		1.69	1.69	1.69	69.7		69.7	69.7	69.7
700	-				1.69		71.0		-	71.0	-	71.0	-	71.0	71.0	71.0
1	-	.0				-					72.3		7			72.3
2000	-	.9	9.79	0.69	70.3	71.0	72.9	72.9	72.9	72.9	72.9	72.9		72.9	72.9	72.9
	-			70.3	71.6				*			14.2	74.2	4.		
141	2	0	60.9	72.9	74.2	74.8		76.8	76.8	76.8	76.8			76.8	76.8	76.8
	3	3		76.1	77.4				0	80.0		0		0		80.0
300	-	-		81.3	82.6	83.2		85.2	85.2		85.2	85.2	5	5		5
1	6	0		83.9	85.2			8		8			8			88.4
7000		71.6	78.1		86.5	87.7	89.7	80.3	90.3	90.3	80.3	0	80.3	90.3	90.3	8006
	6	-	78.1	85.8	87.1		.0	-	91.0			91.0		91.0	91.0	-
1500		:	78.1		-			2.		2	3	5	2	2	2.	
		3	78.7	87.1	88.4	6		6.26		95.9	2	65.6	6.26	3	2.	65.6
1000		72.3	79.4	87.7	89.0	90.3	92.3				*	4				8.46
	6	~	19.4	87.7	89.0	0		93.6	93.6	93.6	34.5	;	94.8	94.8	*	8.46
8	6	3	19.4	87.7	89.0	0	2	93.6	93.6	93.6	;	8.46	8.46	8.76	8.46	8.46
	6	2	19.4	87.7			3		5	95.5	1.96			96.8	•	
8	29.0	72.3	79.4	87.7		91.0	6.26	95.5	9	96.1		98.1	98.1	98.1		98.1
	6	3	19.4	87.7		-		95.5	1.96					98.7	8	98.7
8		72.3	19.4	87.7		:	6.26			1.96	7.		98.7	98.7	48.7	98.7
		~	79.4	87.7	89.0	91.0				1.96	98.1	4.66	6	4.66	4.66	4.66
700	6	5	19.4	87.7	•	91.0	5	95.5	1.96	96.1			4.66	100.0	100.001	0.00
	6		19.4		0.68	-		•	1.96			4.66	6	0		0.00
٥	6	2.	79.4	87.7		91.0	65.6	95.5	1.96	1.96	98.1	4.66	4.66	100.0	100.001	0.00

TOTAL NUMBER OF OBSERVATIONS

155

0

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0

0

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

12 HOURS (1.5.7.) MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-							711 4		,		*	4	2 5/16		
5	9	S	7	ε ΛΙ	> 2%	1 2		× 1	- A1	* Al	R			× 1	٨١
10	6	31.6		. 4	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
-	34.5		40.0		0			0	40.0	0	0	0	0	0	0
-		38.1	41.3		41.3	•	41.3	•	41.3	-	41.3	-	41.3		41.3
2	36.1	38.7	41.9		41.9	•	41.9	•	41.9	-	41.9		41.9	•	41.9
2	36.1	39.4	45.6			2					45.6		•	•	45.6
	-		43.9							•	43.9		•		43.9
3	2	3		.6	5				6		6	6	6		6
3.	2	3		6	6				6		6	6	6	•	49.0
3	3	-		-		:		-	-	-	-	-	-	-	-
3			52.9	2	•	:		2	2	3	3	2	2.	3	52.9
	44.5		52.9	2.		3	2.	2.	2	2	2	3	2	3	2.
5	-	-		5			5	3	2	'n	2	5	3	3	55.5
9	8	2		9				-	-	-		-		-	-
1	-			0	-	-	-	-	-	-	-	-	-	-	-
-	-	-	9	9	-	-	1	-	-	-			-	1.	-
9	4			3	5	.9	. 9		.9	•			9		86.5
*	5	2	-	7.	2	6	6	6	6	6	6	6	6	6	6
;	•	3	œ	8	6	0	0	0		-	-	-	-	-	91.0
*		3		6	5	-	-	-	-	2.	2	2.	2.	2.	2.
;		3	0	0	-	2	2	3	2	0	3	~	3		3
4		5	c	0	-	2	2.	2	2		6			3	3.
*		5	ċ	0	-	2	2	~		3	5	3		Š	•
44.5	77.4	5	0	0	-	2	2	~	50	2		3	3	95.5	3
*	77.4	3	0	0	-	2	2	3						;	1.96
44.5	77.4	5	-	-	2		3	3	4			0		9	9
	77.4	5	-	-	~	3		3	4				•	•	96.8
-	77.4	5	-	-	2		3	3	*		98.1		8	8	98.7
4	77.4	2	-	-	2	;			30		7.86		6		4.66
	77.4	5	-	-	2	*					48.7	4.66	6	4.66	4.66
	77.4	3	-	-	2	;					98.7	4.66	0		00001
	77.4	5	91.0	91.0	2		3.96	2.46			98.7	4.66	0	0000	0000
	77.4	2	91.0	91.0	2.		2.46	94.2	95.5		98.7	4.66		0	00001
and the selection of th			4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2.6 36.0 38.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	2.6 36.1 38.7 41.9 41.2 42.6 36.1 38.7 41.9 41.9 41.9 42.6 45.8 49.0 49.9 43.2 47.1 51.6 51.6 51.9 49.0 49.0 49.0 49.0 49.0 49.0 49.0 49	2.6 36.1 38.7 41.9 41.9 41.9 42.6 36.1 38.7 41.9 41.9 41.9 42.6 36.1 38.4 42.6 42.6 42.6 42.9 43.9 42.6 42.6 42.6 42.9 43.9 42.6 42.6 42.6 42.9 43.9 43.9 42.6 45.8 49.0 49.0 49.0 49.0 49.0 49.0 49.0 49.0	2.6 36.1 38.7 41.9 41.9 41.9 41.9 42.6 36.1 38.1 41.9 41.9 41.9 41.9 42.6 36.1 38.1 40.7 43.9 43.9 43.9 42.6 42.6 42.6 42.6 42.6 42.9 43.9 43.9 42.6 42.6 42.9 43.9 43.9 42.6 45.8 49.0 49.0 49.0 49.0 49.0 49.0 49.0 49.0	2.6 36.1 38.7 41.9 41.9 41.9 41.9 41.9 42.6 36.1 38.1 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41	2.6 36.1 38.7 41.9 41.9 41.9 41.9 41.9 41.9 42.6 36.1 38.4 42.6 42.6 42.6 42.6 42.6 42.6 42.6 42	2.6 36.1 38.7 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9	2.6 36.1 38.4 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41	1.07 35.1 38.1 41.9 41.9 41.0 41.0 41.0 41.0 41.0 41.0 41.0 42.0 42.0 42.0 42.0 42.0 42.0 42.0 42	2.6 36.1 38.1 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41	1.67 35.5 38.1 41.5 41.5 41.5 41.5 41.5 41.5 41.5 41	2.6 36.1 39.4 42.6 42.6 42.6 42.6 42.6 42.6 42.6 42

TOTAL NUMBER OF OBSERVATIONS

155

SOMS

IMAKUNI, JAPAN

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

MAR

0 2

15 HOURS (1.5.7.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) IMAKUNI, JAPAN

2 10 2 4 2 3 2 4 2 3 2 2 4 2 3 2 2 4 2 3 2 2 4 2 4 2 5 2 5	CEILING (FEET)							VISI	VISIBILITY (STATUTE MILES)	ATUTE MIL	(S)						
CRIMING 27.7 36.8 37.4 38.7 38.7 38.7 38.7 38.7 38.7 38.7 38.7				5 0	4					-	_ AI						1700
2000 32.3 4.2 6 43.9 45.2 45.2 45.2 45.2 45.2 45.2 45.2 45.2	NO CEILING	27.7	9	-					38.7	8				•	8.		
1800 32.3 44.5 44.5 45.8	≥ 20000		2	3	5	5	5	5.	5	2	2	2	2		2	2.	
1000 32.3 44.5 44.5 45.8				*	3		5	5.	5.	5	5.	3.	.5.	5.	5.	5.	
32.3 44.5 45.8 47.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1				*			5		3	3		3	5		5		
36.2 44.5 45.6 47.1			4	2	47.1	47.1	47.1		47.1		47.1	47.1		47.1		47.1	
10000 34.2 47.7 49.0 50.3			;			47.1	47.1		47.1	47.1	47.1	47.1	-			47.1	47.1
35.5 51.0 54.2 47.7 49.0 50.3 50.3 50.3 50.3 50.3 50.3 50.3 50	1 -		7	6		0	0	0	0	0	0	0	0			0	50.3
35.5 51.6 54.8 56.8 56.8 56.8 56.8 56.8 56.8 56.8 56			47.7		0	ò	0	0		0	0	0	0	0		0	50.3
7000 35.5 51.6 54.8 56.8 56.8 56.8 56.8 56.8 56.8 56.8 56			51.0	4	9	9	9	9	9	9		0	9	.0	9	9	56.1
35.5 51.6 54.8 56.8 66.8 56.8 <th< td=""><td></td><td></td><td>51.6</td><td>;</td><td>÷</td><td>9</td><td>. 9</td><td></td><td></td><td></td><td>.9</td><td>•</td><td>.9</td><td></td><td>•</td><td>.0</td><td>•</td></th<>			51.6	;	÷	9	. 9				.9	•	.9		•	.0	•
380. 38.7 56.6 60.7 62.6 62.6 62.6 62.6 62.6 62.6 62.6 62	1		51.6	. 4	.0	.9	9	9		0	. 9	.9	. 9		9	.0	56.8
4000 40,7 61.3 65.2 67.1 67.1 67.1 67.7 67.7 67.7 67.7 67.7			56.6	ċ	2.	2.	2	2.	2		2	3	3		2	3	62.6
45.2 67.1 71.6 73.6 73.6 73.6 73.6 73.6 74.2 74.2 74.2 74.2 74.2 74.2 74.2 74.2			58.1	-	-	3	3	3		;	*	;	4		*	4	64.5
3500 45.2 67.1 71.6 73.6 73.6 73.6 73.6 74.2 74.2 74.2 74.2 74.2 74.2 74.2 74.2			61.3	3	-	-	-	-	1.	-	-	-	-		-	1:	67.7
3500 55.6 80.0 85.2 87.7 88.4 88.4 89.0 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7			67.1	-	6	6		3		*	*	4	*		*	4	
2500 54.2 81.7 86.5 89.7 91.0 91.0 91.6 92.3 92.3 92.3 92.3 92.3 92.3 92.3 92.3			80.0	5	-			6	6	6	6	6	6		6	6	
24.2 81.9 87.7 91.0 92.9 93.6 94.8			80.7	•	6	-	-	-	2	2	2	~	3		3	2.	92.3
1800 54.2 81.9 87.7 91.0 92.3 92.9 93.6 93.6 93.6 93.6 93.6 93.6 93.6 93			81.9	-	-	2	2						3			3	3
1200 54.2 81.9 87.7 91.0 92.3 93.6 94.2 94.8 95.5 95.5 95.1 96.1 <th< td=""><td></td><td></td><td>81.9</td><td>-</td><td>-</td><td>2</td><td>2</td><td>2</td><td></td><td></td><td>3.</td><td>*</td><td>3</td><td></td><td>3</td><td>3.</td><td>3</td></th<>			81.9	-	-	2	2	2			3.	*	3		3	3.	3
1200 54.2 81.9 87.7 91.6 92.9 94.8 95.5 95.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96			81.9	87.7	-	2		*		;	*	;			;		3
54.2 81.9 87.7 91.6 92.9 94.8 95.5 96.1 96.1 96.1 96.1 96.1 96.1 96.1 96.1	1		81.9	87.7	-	2.	4	. 4	5	5		3	3		3	3	-
54.2 81.9 87.7 91.6 92.9 94.8 95.5 96.1 96.1 96.1 96.1 96.8 96.8 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4			81.9	87.7	:	5	*	5		•	.9	•	•			•	9
54.2 81.9 87.7 91.6 92.9 94.8 95.5 96.1 96.8 96.8 96.8 97.4 98.1 98.1 98.1 98 500 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 96.8 97.4 98.1 98.1 98.1 98 500 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 96.8 97.4 98.1 98.1 98.1 98 500 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 96.8 97.4 98.1 98.1 98.1 98 500 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 97.4 98.1 98.1 98.1 98 500 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 97.4 98.1 99.4 99.4 99 500 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 97.4 98.1 99.4 99.4 99 500 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 97.4 98.1 100.0100.0100			81.9	-	-	2	3			6.	9	9	•		.9	•	0
500 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 97.4 98.1 99.4		*	81.9	-	-	2					÷	;	•		-	-	-
500 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 96.8 97.4 98.1 98.1 98.1 98.1 98.2 50.0 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 96.8 97.4 98.1 98.1 98.1 98.1 90.0 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 96.8 97.4 98.1 98.1 98.1 98.1 90.0 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 96.8 97.4 98.1 99.4 99.4 99.4 99.4 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 96.8 97.4 98.1 90.0 100.0 1		*	81.9	-		2.			9	0	•	0	-				98.1
500 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 96.8 97.4 98.1 98.1 98.1 98.1 9 500 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 96.8 97.4 98.1 98.1 98.1 9 500 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 97.4 98.1 98.7 98.7 9 100 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 96.8 97.4 98.1100.0100.010		4	81.9	-	-	2	5			;	. 9		-			2	98.1
300 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 96.8 97.4 98.1 98.7 98.1 96.8		*	81.9	87.7	-	2		1.96	0	9					8	8	98.1
300 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 96.8 97.4 98.1 98.7 98.7 9 200 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 96.8 97.4 98.1 99.4 99.4 9 100 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 96.8 97.4 98.1100.0100.010 0 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 96.8 97.4 98.1100.0100.010		*	81.9	-	-	3	5	96.1		9	•		-	3	8	8	98.1
200 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 96.8 97.4 98.1 99.4 99.4 9 100 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 96.8 97.4 98.1100.0100.010	1	4	81.9	87.7	-	2	100	1.96	6.	•		.9					98.7
100 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 96.8 97.4 98.1100.0100.010			81.9	87.7	-	2	5	1.96	6		. 9		-		6	6	4.66
0 54.2 81.9 87.7 91.6 92.9 95.5 96.1 96.8 96.8 96.8 96.8 97.4 98.1100.0100.010		*	81.9	87.7	-	2.	3		0.	•	9	9			0.0	00	
		*	81.9	87.7	-	2.	3			9	9		-		0.0	00	

0

TOTAL NUMBER OF OBSERVATIONS

155

43324

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNIS JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18 MAR

200 6

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	(53						
(FEET)	2 1	9 Al	\$ 1	4	e Al	≥ 2%	7	٧١ ٧١	71 71	- AI	% Al	*	% Al	≥ 5/16	× Al	0 1
NO CEILING	6		47.1	47.7		00	48.4			48.4	49.4	48.4			48.4	48.4
¥ 20000	32.9		-	52.3	5.	52.9	52.9	52.9	52.9	•	2	2.	52.9	52.9	2	3
	3	0	2.			. 4	. 5			4	4	4.	4.	4	4	*
14000		50.3	52.9	53.6	54.2	54.2	54.5	54.2		54.5	54.5	54.2	54.2	54.5	54.2	54.2
	33.6		5	56.1				8.95		.9	56.8	56.8	86.8	8.99		56.8
> 12000	*	;	58.1	58.7	59.4	6	59.4		6	59.4		59.4			59.4	
	*		6	0.09	60.7	60.7	2.09		0	0	1.09	0		0	60.7	60.7
0006	35.5	56.8		60.7	61.3	•	61.3	61.3	61.3		61.3		61.3	61.3		61.3
	0	0	3.	64.5		65.2	5.		3		3	65.2	5	5	65.2	65.2
2 7000	6	63.9	67.7	68.4	0.69	0.69	0.69		0.69		0.69		0.69	0.69	6	6
			7.	8		0.69	6	6	6			6		0.69	6	6
2000	-		~	73.6	74.2	*	74.2		74.2	*				*	74.2	74.2
	41.3	70.3				76.1		76.1			•			76.1	•	76.1
¥ 4000		1.	. 9	78.1	78.7	8	78.7		78.7		8		8			8
	5		0				81.9	81.9	-	-	•	81.9	81.9	•		
3000	-	79.	85.2		87.1	1.	87.1		87.1	87.1	87.1	-		87.1	87.1	87.1
	49.0	00	2	88.4	89.7	89.7	0	91.0	-	-	0.16	0.16	-:	91.0		-
7 2000	3	81.	-	8006	91.6	1.			6		-	3		4	*	34.5
	0.55	81.	87.7	6.06		91.6	6.26	93.6	93.6		93.6	93.6	*	94.2	2.46	2.46
1500	49.0	:	1.	0	1.	-	2.			141	ë	3		;	;	
	6		87.7	•			2	93.6				*	8.76	*	8.46	8.46
1000	•	:	7.	91.0	92.3		94.8	95.5	3		;	•		97.4		97.4
	0.64	-	87.7	91.0		93.6	8.76		3		3.96	8.96	41.4		97.4	97.4
80	6		1.	91.0	3		8.76	95.5	•	3		•		-		
	49.0	1.	87.7	0.16	92.3	93.6	8.46	95.5		98.5	96.8	9		4.16	4.16	97.4
009	6	:		91.0	5.	3		95.5				8.96	4.16		97.4	
	0.65	:	1.	91.0	65.3	93.6	8.76		95.5		4.16	4.16	18.1		7.86	98.7
7 400	6	-	87.7	91.0		3	94.8	95.5		96.1	4.16	97.4	_	98.7	98.71	0000
300	49.0	81.9	87.7	0.16	65.3			95.5	95.5	96.1	4.16	4.16	1	-	98.71	0.00
		-	87.7	91.0		93.6	8.56	95.5		96.1	4.16	4.16	18.4	98.7	98.71	0000
8		81.9	87.7	91.0	65.3	3	. 4			1.96	4.16	4.16		98.7	98.71	0.00
	•	81.9	87.7	91.0	95.3	93.6	94.8	95.5	95.5	96.1	4.16	4.16	98.7	7.86	98.71	000

0

TOTAL NUMBER OF OBSERVATIONS

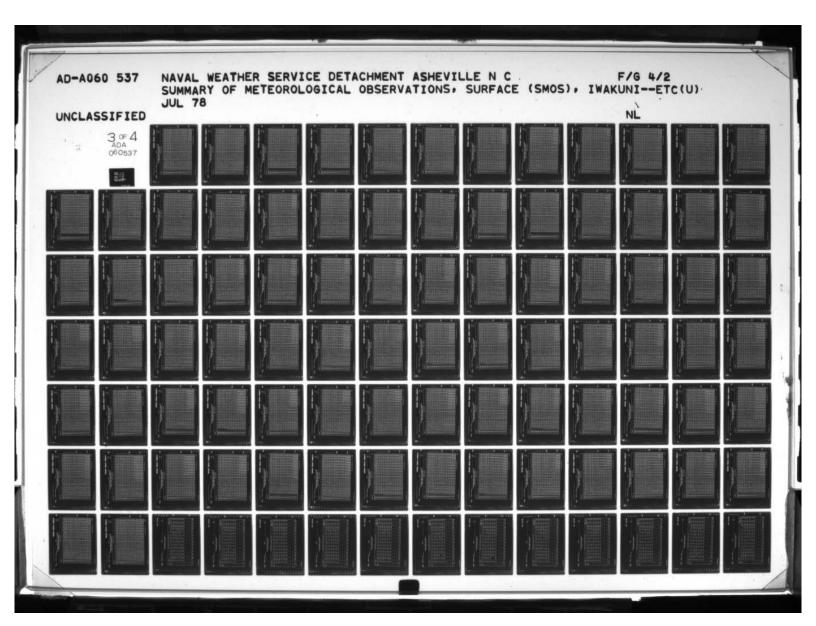
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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUNIS JAPAN

21 HOURS (1.5.7.)

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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	٥	52.3	60.7	60.7	60.7	62.6		66.5	66.5		71.0		72.9	76.1	81.9	83.9	87.1		0116			2.46	95.5	95.5		98.5			98.1		0000	0.00	000
	× 1		20.7																						95.5					7.66	10.00	10.00	0.0
	91/9	.3	1.			9.	.5	.5	.5		0	0	2.9		6	6.	-	0	0	9.	2.	.2	• 2	. 5		. 5	8	-	-	4.	•	0.0	0.0
	Al z	5	.7 6	0	•	0	0	0	•	0	~		. 9.	-	8	œ	œ	8	0	6	0	6	0	6	0	6	0	6		0		2	2
	Al	-	90	90	90	-		-		-		-	72	-	00	80	æ	00	0	0	0	0		2	95	2	0	0		66	001	001	
	* Al	52.3	60.7	60.1		•	64.5		;	6	71.0	-	5.		-	3	-	6	-	•	*		3	2.	95.5	3.	•		1.	68.		99.	99.4
	% Al	3	60.7	0	0	2	64.5	•	;	6	-	:	72.9	9	-	3	1.	6	1:	-			2	5.	93.5	3.	;		1.		4.66		
	- AI	2.	1.09	0	0	2.	;	\$	•		-	-		•	=		-	6	0	-	5	2.	*	. 4	34.5	. 4	*	5			1.96	96.1	
IOIE WILE	¥1	2	0	0	0	3	;	•	9	6	-	:	72.9	9	-	3.	7.	6	0	-	3	5		. 4	;	. 4	;	*		. 4	2.46	;	•
SIBIRITY (SIATURE	۲۱ ۲۲	2.	60.7	0		2.				6	-	:	72.9		-	83.9	-	6	0	1.	2.	2.		•	34.5	•		2.46		2.46	•	2.56	•
	7	2.3	100	1.0	ò	5.0	4.5	6.9	6.9	1.6	1.0	1.0	5.0	6.1	1.9	3.9	7.1	0.6	6.0	1.0	5.9	5.9	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	93.6	è	3
f	2 2%	2.3	1.0	1.0	1.0	5.6	4.5	6.9	6.5	1.6	1.0	1.0	2.9	1.9	1.9	3.9	7.1	0.6	6.0	1.0	2.9	5.9	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	0.	3.0
1	e Al	1.0	0.0	0.0	0.0	1.9		5.8	5.8	6	6.0	0.3	2	5.5	1.3	3.2	6.9	8.4	6	6.0	1.0	1.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	-	1.6	-	1.6
-	→	1.0	4.6	4.6	4.6	1.3	3.2	5.2	5.2	8.4	1.6	1.6	1.6	8.4	0.0	1.3	4.5	5.8	6.3	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.19	7.1	1.1
	so Al	4.	00	8	8	7.	*	.3	2	6.	7	2.	.3	0	6	2.	4	1.	4.	0	0	0	0	0	0	0.	0	0	0	0	80.08	0	0
	• Al	5.5	5.9	5.9	5.9	4.2	5.5	8.8	8.9	8.7	0.0	0.0	1.3	3.9	7:1	8.4	1.6	2.3	6.	9.	9.	3.6	3.6	3.6	3.6	3.6	3.6	9.	9.	9.	3.6	•	9
	2 4	1.9 4	6	0.	-		-	1.9 5		6.	1.9 6	-	1.9 6		•			1.9 7	1.9 7	1.97	1.97	1.9 7	1.9 7	1.9 7	1.9 7	1.9 7	1.9 7	1.9 7	1.9 7	1.9 7	1.9 7	1.9 7	1.97
CEILING	-	NO CEILING	≥ 20000		≥ 16000		> 12000		000 AI		7000		2000		0007		3000		2 2000		2 1500		N 1000		> 800 > 1		8	-	2 400	300		82	

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TOTAL NUMBER OF OBSERVATIONS

43324 STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUMI, JAPAN

MAR

1 =

VI 4444448888888888888888888888888888888

0

43324 STATION

DIRNAVOCEANMET SMOS

1240

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00 HOURS (1.5.7.) APR

1000

							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES						<pre>F</pre>
(FEET)	2 11	AI .	S) Al	A I	6 VI	Y 2%	2 41	¥1	¥1 VI	- AI	× Al	*	× AI	N 5/16	AI N	٨١
O CEILING		34.0			2	2	2		2	2	2.	2.	2		2.	
≥ 20000		38.0		49.3	50.0	50.0	0	50.7		50.7	50.7	50.7	50.7	50.7	50.7	50.7
N 18000		38.0			0		0		0	0	0		0		0	50.7
≥ 16000		38.0			0		0		0	0		0	0		0	50.7
> 14000					0	0	0	0	0	0	0	0	0		0	50.7
2 12000		38.0		49.3	0				0			0				50.7
V 10000		41.3			•		.0	.0	0	9	.0	26.7	9	56.7	0	
000		45.0				.0	.0		7	57.3	-	-	1.	7.	7.	57.3
> 8000		45.3			0		0	-	-	1.	-				-	
7000		46.7			3	2	2.				5		2		3	
1		46.7		0.09	2.	2	2	3	2	2.	3	2.	3	2	2.	
2000		46.7		2		*	*		;	;	*	64.7				65.3
		47.3		~	5	5	3.			.0	9	9		9		
14		48.7	0.09	66.7	70.0	70.0		70.7	70.7	70.7	70.7	70.7	70.7	71.3	71.3	71.3
		6.64		00	2.	3	2.	2.	2	2.	2.	2	2	3	3	
3000		54.0			8	00	8	6	6	6	6	6		0	0	80.0
1		54.7			0		0		-	-	-		:	2	2	82.0
7 2000		56.0		00						*		*	;	4	*	84.7
1		56.7		6	. 4				*	3		*		2	3	85.3
1500		58.0		81.3	86.0	.0	8		0		0		0	-	-	91.3
		58.0		-					0	0	-	-	-	2.	2	92.0
90		58.0			-	-	.6	2.	2	2	3	3.				
		58.0		2	-		.6		2.	2	3		3.	4.	;	0.96
8		58.0	72.7	82.0	87.3	-	0		2		*	4	;	5	3	
		58.0		3.			0	92.7	2		4	*	*	3	5	
8			72.7	82.0	87.3		0	100	3	*	3	-	9			46.7
	7	58.0	72.7	2	-		ò	92.7	3			1.96		8	8	98.0
100		*	72.7	82.0	87.3	87.3	0	-	2.		97.3	97.3	98.0		8	
		58.0	72.7		-		0	92.7	92.7			97.3		8.	98.7	98.7
30		58.0	72.7	82.0			0.06	92.7	92.7	0.96		97.3	0.86		98.7	48.7
91		58.0	72.7	82.0	87.3	67.3	.0	45.7	92.7		97.3	97.3	0.86	98.7	98.7	48.7
٥		58.0	72.7	82.0	-	87.3	0		92.7		97.3	97.3		98.7	99.3	

TOTAL NUMBER OF OBSERVATIONS

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Comment of the same

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUNI, JAPAN

HOURS (L S.T.)

APR

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	VISIBILITY (STATUTE	ATUTE MILES)	ES)						
(FEET)	N 70	9 1	\$ 1	4 1	e VI	Y 2%	N 3	۷۱ ۲۷	¥1 Y	- AI	% Al	*	X AI	≥ 5/16	% Al	O AI
NO CEILING		32.0	36.7	0	0			40.7			-		-		1	
> 20000				50.0	51.3	52.0	32.0	2.	2				52.7			52.7
		40.0		0			2.	2	2.	2.					52.7	52.7
N 16000		0.04		ċ	-	2.		2		2.						52.7
		40.0		0	-:	•	2.	2.	2	2.		2.	52.7			52.7
12000		40.7	40.7	51.3	52.7		53.3	53.3		53.3	54.0	54.0	*	54.0	54.0	54.0
		43.3		4		•	-		-	•	8		58.0	00	8	58.0
0006					56.7			57.3			8				8	
1		0.94	52.0	8	0.09	•	ò	0	60.7	60.7	61.3	61.3	61.3	-	61.3	61.3
7000		46.7		59.3		3	2.		3	3	3.	5.	3	2	3	
		47.3		0	2.	2.	5	2.		2.	3	3.			3	
900		48.0		61.3	63.3		0.49	0.49	4	0.49	64.7	*	4.7	;		64.7
		48.0		-	3.	*	4	*		4	*	4	*	4	*	
900		2			69.3	0			0		0	0		0	70.7	70.7
		52.7	61.3	68.7	70.7	71.3	71.3	71.3	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0
3000		56.7		;				1	-	-			8	8		
		58.7			6	•	-		2	•	2.	2.	2	~	2.	82.7
7 200		59.3		-	81.3	2	83.3		84.0	*	3		2	5	3	
		59.3				2.	3	4	*	4	3	3	5	20	2	85.3
> 1500		59.3			5.			87.3			6	6	6		6	
		59.3	68.7	78.0	83.3	84.0	.0	0.98		0.06	-	91.3	91.3		91.3	91.3
N 1000		59.3		78.0	3	4	86.7		88.7	0	5.	5	3.	2	2.	
			68.7	78.0	83.3	84.7			•	•		3.	2.		92.7	92.7
008				00			86.7		89.3	91.3	3	3	3	2	92.7	
		59.3			3.	84.7			6	2.			•	•		
98		6	58.7		83.3	84.7	86.7		0.06	92.7	;		+		94.7	94.7
				8	•				0			3	9	97.3	-	97.3
1 400		59.3	68.7		83.3	65.3	87.3		7.06		;			8	8	
		59.3		78.0		65.3		0.06	0	•				66.3		99.3
> 200		59.3	68.7	•	83.3	85.3	87.3	0		93.3		•	98.7	99.3	99.3	
91		59.3		78.0	-	85.3		0.06	40.7	•		64.3		66.3		66.3
٨١		59.3	68.7	78.0	83.3	85.3	87.3		40.1	93.3	1.96		8	66.3	99.3	0000

TOTAL NUMBER OF OBSERVATIONS

3 3

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNIS JAPAN

43324 STATION

12595-06181

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73-77

0.0 ST. 3 APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

		-	~	-	-	0	0	0	0	0	0	0	~		-	0	0		~	-	0	~	~	~	~	-	~	~	~	0	~	0	~
	•	•	•	•		•	:	:	:	•	:	•	•	•	•		•	•		•		:	:	•	:	:	•	•	•	•		:	=
	Al	4	4	4	4	48	50		54	38	9	9	62		99	10	7	18				86	90	90	6	6	6	6	98	8		8	8
		•	10	3	3	0	0	0	0	0	0	0	~	1	1	0	0	1	-	-	3	0	0	0	0	0	1	-	0	3	3	3	E
	*	:	2		-	8	0			8	0	•	2	2.	•	0			5	~	2	•		0			:	;			:	:	
	Al	4	4	4	4	*	Š	'n	3	2	ō	9	9		0	1	ř		80		8		ŏ		ŏ	6	ò	6	0	6	0	0	0
	•	-	-	1	1	•	1	•	•	3	3	3	0	0	0	3	m	0	0	0	1	•	•	6	m	3	C	3	1	•	3	3	•
	5/16	0.	•	9					3		6	6	2		. 9	6	3.	8	2	2	•	3	6	6	3	3		2		1.	-	-	
	Al	*	4	*	4	3	4	2	8	8	3	2	0	9	9	9	~	1	3	00	8	3	8	0	0	0	0	6	0	0	0	0	0
	2	1	, 7	1	-		~	3		. 3	4	.3	0	0	.0		3	0	0	0	1	.3	.3	3			0	1	0	0	0	0	0
	Al	0	9	9	0	-	0	3	3	-	•	6	2	2	0	0	3	8	2	~	4	2			3	3	4	5	9	9	0	0	9
		4	4	_	•	•	4	-			-		•	_		9	_			-		-	•		5	5	6	5	5	5	5		
	*					.3						. 3	•		0				0			. 3						•					
	Al	04	\$	94	5		40	53	53		29		62		99		73		82		84		89	68	92	26	63	76	96	76	*	46	94
			_	-	_	-	_	~	-	~			0	0	-	_		-	0	0	_	-	_	_	_		-	~	_	_	_	_	_
	*	•	•	•	:	•	•	•	•	•	•	•	•			•		•			•	•	•	•	•	•	•	•	•	ě	0	•	
	Al	0.4	46	46	40	3	40	53	5		59	58	62	29	99		73	18	8		84				26	26	6	6	96	76	6	6	9
1		-	1	1	1	0	2	3	3	3	3	3	0	0	0	3	•	m	m	m	3	0	1	1	m	3	3	0	0	0	0	0	0
	- AI	•	. 9	9	.9			3		1.			2	2.	.9	. 6	3.	1.	:	:	3	;	.9	.9	6	. 6	6	0	0	.0	ċ		0
S	^,	4	4	3	4		4	3	8	8	- C-2111	3	0		ō			7	8	1	8	8			0	100	8	0		6	0	0	ŏ
M	•	~	1	1	~	•	•	3	3	3	1	3	0	0		3	1	1	-	-	0	1	0	0	0	0	0	~	1	1	-	~	-
=	71	o	•	6.			6	1		7.	6	6	2	2		69	2		80.	0	2.	2				9	•	•	•		•		ė
1	^'	3	3	3	4	3	4	5	ic	-	5	3	•	9	0	9	-	1	œ	œ	œ	œ	8	8	œ	20	0	00	8	8	8	00	œ
S	7.	-		1.			(13	M	50	10	10	3	0	0	0				-		0		0.	0	0	0	0						-
5	ĀI	0	9	9	0	-	0	3	3	Same !	20	100	2	N	0		12	9		0	~	85	4	*	0	9	86	86	0	9	86	98	98
VISIBILITY (STATUTE MILES)		2	•	•	3	-	4		5	100	30	2	0	•	•	9	-	-	-	-		_	60	80	0	30	_	-	_	-	*	3	-
>	~						-			. 7			•				0	0			0		•	0.		•	•		-			. 7	
	ΑI	0	46	46	95	47	48	52	52	56	58	58	19	01	69	68	72	76	78	78	80	80	62	82	84	84	84	84	84	84	84	84	84
1		C	0	0	0	1	60	0	m	3	0	3	m	•		1	0	0	0	0	3	0	6	3	0	0	0	-	-	-	1	7	-
	2,2		. 9	6.	•	.0		•	•				6	6	60		0		9	9	•		6	6		:		0	.0	0	0	.0	
	Al	04	*	4	40	*	4	0	3	5	'n	n	i.e.s		0	99	7	1	7	-	-	-	7		3		3	ä					õ
		0	0	0		-	•	3	3	1	~	-	-	-	7	0	1	-	1	-	3	0	•	3	3	3	•	0	0	0	0	0	0
	AI N	0		.9	;		-	-	-	. 4		.0	8	8	2.		8	2.	*	*	5	9	-	7.		7.	-	8	8	8	8	8	8
		*	4	4	4	3	4	50	3	2	2	30	2	an.	9	9	9	1	-	-	1	-	-	1	1	-	-	1	-	-	1	6	-
		.3	. 3	. 3	10	0			1.	0.	0.	0	0	0	(1)	0.	0.	.3		•	.0		.0	0	0.4	0.	.0	c.	0.	0	0	0.	0
	Al	39	5	3	'n	c	0	0	20	24	56	96	8	58	61	94			Ë		12	2	5	4	4	14	4	14		4	74		14
			-	_	-	-	-	,	-		_		-1			_		-	_	_	_	-	_	_	_	_	_	_	_	_	_	_	_
	49	.3		.3											.3	0.	•		•			0		•			.3			.,	.3	•	
	Al	39	43	43	64	44	44	8 %	48	15	53	53	54	24	57	9	29	99	65	63	99	99	67	67	67	67	67	67	67	6.7	67	67	67
		-	-	-		-	0	3	_	-	~	1	0	-	-	-	-	-	-	0		-		2	~	1	1	1	1	1	1	1	-
	•	:									:	•	:	•			:			56.											:		
	Al	3	3	3		3	3	4	4	4	4	4	4	4	3	S	3	3	š	3	Š	Š	2	2	ñ	2	Š	š	2	3	26	26	2
1		0	0	0	0	0	1	3	.3	0	C	0	~	-	~	~	•	~	-	-	1	-	-	1	1	~	~	-	1	7	1	1	1
	2				;				-	*	8	00	8	8	8	6		0	3	10.	0	0	10.	10,	0	0	0	0	10.	0	0	·	0
	ΛI																	-	-	-	-	-	-	-	~	-	-	-	~	7	-	-	-
		Q		_	-	_	_										_		_		_		_		_			_	_	_	_	_	
CEILING	E	NO CEILING	8	00	16000	900	12000	8	9000	8	7000	8	2000	150	400	500	3000	300	2000	80	1500	200	8	8	8	8	8	500	8	30	28	8	٠
	=	2	AI	-	1 1		A		AI		IAI		A		IAI		IAI		Al		AI		IAI	AI	AI	A	IAI	A	IAI	A	AI	AI	AI
		ž													- / "																		

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TOTAL NUMBER OF OBSERVATIONS

SOWS DIRNAVOCEANMET

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CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

IMAKUMI, JAPAN

0.9 HOURS (1.5.7.) APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

		mr	~~	0	10	0	2	0	~	3	3	3	3	9	0	0	~	1	0	-	~	3	3	-	3	1	0	0	0
	AI O	44	: :	00	54.	54.		8 8	9	61.	200	67.	75.	81.		84.				90	92.	95.	95.	96	97.		00		00
		W.		0:	10	_	1	0	~	m	•	0	•		0	0	~	~	0	-	-	m	m	~	m	0	3	3	3
	VI 3	44	33	00	54.	54.	56.	58	90	19		67.	75.		84.		86.				92.	95	95	96	97.		66	66	66
	•	wr		0	0 0	0	-	0	~	-	m	m	3	3	0	0	1		0	-	-	m	m		3	0	3	3	3
	≥ 5/16	37	44	90	54	54.	26	58		10		67	75.	81.	84		86.	88	90	90	92.	95	95	96	97		66		66
	2	wr		0	0	0	-	0	~	10	3	m	6	1	0	0	7		0	-	~	9	m	-	-				-
	AÌ	16 4	* *	0 0	3.4	34		38	90			19	15	18	34	84	86	88	06	0	35	95	93	96	96	16	98	86	98
	*	wr		0	0	0		0		•		3		. 3	0	C			•	-		1.			.3	0	.3		
	Al	W 4	44	9 0	34	5		500		9		67	15	81	48	84	86	88	90	90	92	36	4		95	96	97	16	97
	*	61		0.0	0		•	0		3		.3	.3	•	0	0	. 7		.0	1.		0	0	0	0.			•	•
	Al	W 4	4 4	9 0	54	54	56	58	9	19		67	75		84		86	88			92	76	94	36	94	76	96	96	96
	-	.3		0.9	0	4.0	1.9	0 0	1.0	1.3	5.3	•	5.3		4.0	4.0	6.7	8.7	0.0		2.0	.3		. 3	1.3	1.3	1.3	1.3	1.3
(S3)	AI	64	4 4	4 4	- 5	5			. 5	0	9	0	~	3	-7.6	_			•		0	63	6	6	6	6	6	6	6
VISIBILITY (STATUTE MILES	7	4.3	1.1	0.9	0	4.0	6.7	0 7	0.7	1.3		6.7	4.0	0.0	2.7	2.7	5.3	7.3	8.0	8.7	6.6	2.7	0.7	7.0	2.1	1.0	2.1	0.7	0.7
TATU	٨١	m 4	3 3		. 2	30	10	UR	0		ò	0	-	00	œ		8	æ		00	8	0	0	6	6	6	0	6	0
ITY (5	7.			0.0	. 0	4.0		0 8	0	-			4.0	0.0	2.7	2.1	4.7	6.1	7.3	8.0	8.7		0.0	0	0.0		0.0	•	0.0
ISIBIL	Al	W 4	* 4	0	200		2	0 2	0	9	9	9		8 /	2	2	8 /	8 4	8	3	0	3	8	6	0		3	8	0
>	N Al	7.	*		: 3	*	.9	80 8				•	3.	8			2.	. 4		. 5		7.	7.	7.	1.		17.		7.
		E 4	00	W. L.	3	2	0	20	m ·	9	-	1 6	<u>m</u>	_	0	-	8	3 8	0	8 0	20	80	3	E	8	60	3	8	3
	> 2%	36.	3 4	10	9	53.		58		00	52.	. 40	71.	16.		78.	80.	81.	82.	82.	82.		83.	83.	83.	63	83.	33.	83.
		10	00		- 6	w	0	-		0	-	0		0		-	0		~	_	m	0	0		0		0	0	0
	AI	34	24	45	107	64	52.	53	55	56.	38	.09	66.	72.	72.	72.	74.	74.	74.	74.	75	76.	76.	76.	76.	76.	76.	76.	76.
		0 10	-	00		1		0 0	3 10	0	0.	0	1	•	10	23			6		10	2	.3	.3	•	.3	•	.3	.3
	Al	34	4 3	42	48	48	50	52	3 60	4	0	58	62	63	67		68	89	69	69	69	69	69	69	69	69	69		69
	•	00			:			0		0	0	.3	0				.3	.3	•	•	.3		•			.3	.3	• 3	.3
	AI	32	38	38	4	4.4	4	4 8	64	50	52	53	58	62	62	62	63	63	63	63	63	63	63	63	63	63	63	63	63
	•		00						1			.3				-	. 3	. 3	3	.3	.3	.3	3	.3	.3	. 3	1.3	.3	1.3
	Al	34	34	4	0 4	4	-			-	_			_		-	-	55	53	58	50	-		_	53	-		_	53
	9			2.7	9 6				4.7					7.3					9.0				0.6		8.0		3.0		3.0
	AI	17		7	-	-	14		. ~	-	15	-	=			-	7	16	7	1	=	1	=	-	=	7	=	1	=
OZ	E .	S S	18000	14000	3 8	900	0008	8 8	2000	8	4000	8	3000	8	2000	8	1500	8	1000	8	8	90	9	8	400	8	200	90	•
CEILING		NO CEILING	VI VI			IAI	Al		N N	1	AI AI		M		AI		A1		11		A		IAI		IAI		Al		Al
		Z			_				_				_		_	_				_	_	L		_	-	_			

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12 HOURS (1.5.T.) APR

*

10

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	21	9	81	AI	N AI	≥ 2%	2 A	V 1%	¥1 Y	71	% Al	*	2 11	≥ 5/16	VI N	٥
NO CEILING				37.3	-		8	38.0	8		80	38.0	38.0			38.0
× 20000	-	39.3	46.0	46.7	46.7	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
				47.3	8			48.7	48.7	48.7	48.7	48.7		48.7		48.7
N 16000	-			47.3	48.0	48.0	48.7		48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
> 14000			46.7		8			48.7		48.7		48.7	8	48.7		48.7
12000	0	45.0	46.3	50.0	50.7		51.3	51.3	51.3	51.3	51.3	51.3	:	51.3	51.3	51.3
	18.7	44.7		54.7	5		56.0	26.0		56.0		26.0	96.0	56.0	56.0	96.0
000 AI	18.7	44.7	53.3			55.3	56.0	56.0		56.0	26.0	•	20.0	56.0	56.0	26.0
		48.0		58.0	58.7	59.3		0.09	0.09	60.7		1.09	60.7	60.7	60.7	60.7
7000	20.7	48.7		6	0.09	1.00	61.3			•	3	62.0		62.0	62.0	62.0
	20.7	48.7	57.3	59.3		000	-	61.3	•	62.0	62.0	5.		•	7	62.0
2000	20.7	48.7	•	0.09	61.3	62.7	63.3	63.3	63.3	0.49		0.49		04.0	64.0	0.49
		49.3		1.09		63.3	. 4	0.49		64.7	1.49	*	64.7	64.7	:	64.7
400	20.7	20.1		62.0						66.7	1.99	66.7		66.7	66.7	66.7
	22.0	4		65.3	66.7	68.7	.6	6.69		70.0	70.0	0	0	0	0	70.0
3000	25.3	58.0	70.0	2	73.3	75.3	77.3		77.3		6	19.3	79.3	79.3	79.3	79.3
1	1.	-		76.0		19.3	2	82.0	•	10000		84.0		84.0	4.	84.0
7 2000	28.0	4		6	80.7	•	86.0	•		88.0	88.7		88.7	88.7		88.7
		0.49			80.7	83.3	.0	86.7	•	œ	88.7	8		88.7		88.7
> 1500	28.0	0.49		80.0	81.3	84.0	86.7	88.0		89.3	0	0	0		90.0	90.0
	00	*		80.0	-	4	86.7	88.7	80		61.3	-	•.	91.3	91.3	91.3
> 1000	28.0	0.49		80.7	82.7	86.0	88.7			92.7	*	4			4	0.96
006	28.0	0.49	78.0	80.7			89.3	_		-		•	62.3	95.3		
N 800		0.49		80.7	83.3	86.7	6	95.0	92.7	4.1	÷	•				96.0
	8	. 4	78.0	80.7	84.0	88.0	1.06	3.	*	1000	0.86		8	98.0	98.0	
> 600	28.0			80.7	84.0			63.3		96.7			98.0	•	98.0	98.0
	8	0.49	78.0		84.0		2.06	3.		Tile-	8	1.86		98.7	98.7	98.7
> 400	28.0		78.0	80.7	84.0	88.0	1.06	93.3	•	200		0	•	0		0.001
300	28.0	. 4			4.		1.06	63.3	;	_	0.00	0	0.00	•	10000	100.0
≥ 200	8	;	78.0	80.7	84.0	88.0		93.3	0.46	98.7	0	00.00	00.00	10000	0	1000
VI 81	28.0		78.0		84.0	88.0	1.06	63.3		98.7	•	0.00	0.00	0.001	100.0	0.001
	28.0	64.0	78.0	80.7	84.0	88.0	1.06	93.3	0.46	98.7	00.00	00.00	00.00	0000	100.0	0.001

TOTAL NUMBER OF OBSERVATIONS

150

0

0

3

0

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

1.5 HOURS (1.5.7.) APR HONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) IMAKUNIS JAPAN

-			1													
(FEET)	2	4 Al	N AI	AI AI	e Al	Y 2%	2 2	VI 41	71 71	-	* AI	*	Z AI	2 5/16	N N	N N
NO CEILING	8	*	8			6	6	6	6	6	6	6	9.	6	6	
≥ 20000		2		48.0	49.3	50.0	0	0	0		0		0	0	0	50.0
18000	3		-	0	0		50.7	50.7			50.7	50.7	50.7	50.7	50.7	50.7
14000			8	50.0	51.3	2	2.	2.	2.	2	2.		2.	2	2	52.0
	:		6				2.		3		2	52.7	52.7		52.7	52.7
> 12000	9		52.0		54.7	55.3	55.3			55.3	55.3					55.3
100	9		3	9	8		8	58.7	8	8	8	58.7	58.7	58.7	00	58.7
0006			3		58.0	58.7		58.7	•		58.7				58.7	58.7
	1.		6	0	2.	62.7	2.	62.7		2.		62.7	62.7	62.7	2	62.7
7000			.0	-	63.3	4	0.49		;					*	*	
	-		0	-	3	3	*	4	*	4	*					
2006	1.		2		66.7	-	67.3	-					7		7	67.3
1	-		3		7	8	8	8		8			68.0	8		
1 11	6			69.3	72.0	72.7	72.7	2.	72.7	73.3	73.3	73.3	73.3	3	3	73.3
	-		0	2	4	3		5	2	ċ	ò		0		•	
3000	. 4		76.0	-	81.3	2		2.	5	2			3	2.7		82.7
			78.7	0		5				•				6.9		86.0
7 2000			0		:	8				0	-		-	1.3		91.3
			-	4	0.88	8	0	0	90.0	-				2.0		92.0
1500	1.		2.		0	0	2.	3		5	0.96	0.96	0	0.9		96.0
	1.		2.	84.7	0.06	0	5.	3	•	5.	•			0.9		0.96
141		74.7	82.7		0	:	93.3	0.46		96.7	•	0.86	98.0	.0	0.86	98.0
	1.		2	85.3	1.06	:	3.	. 4	•	. 9	0.86	0.86		8.0		98.0
8 Al	-		5	3		:	;	;		1.				8.7		98.7
	-	74.7	2.		1.06	-	*	4.7	3	7.		4.86	486	8.7	•	98.7
8	-		2.			-		2			6		6	9.3		99.3
	7.	74.7	2.	5.	1.06	-:	3	3.	.0			0	0.001	0	•	000
V 400		74.7			2.06	-	64.7	95.3	9		100.00	100.0	0	0	100.0	000
38	37.3	74.7	82.7	65.3	2.06	91.3	94.7	95.3	0.96	98.0	100.0	0.001	0000	100.00	0000	00
	:	74.7	82.1	85.3	1.06	=			•		0.001	0.001	0000	0	0.001	000
8	-	74.7	82.7	85.3	2006	91.3	94.7	95.3	0.96	98.0	100.0	0000	0.00	100.0	0.001	00.00
1		74.7	82.7	85.3	1006	-		65.3	0.96		100.0	0.001	100.0	100.0	0.001	00.0

TOTAL NUMBER OF OBSERVATIONS

150

0

0.

0.99

0.99

67.3

67.3

61.3

61.3

61.3 70.7

67.3

70.7 71.3

70.7

70.7

71.3

11.3 76.0 78.0

71.3

71.3

71.3

70.7

70.7

0.49 0.49

0.49 0.99

0.40

0.40

0.09

0.99

0.99

0.99

56.7

56.7

56.7

56.7

56.7 0.49

56.7 0.49

56.7

71.3

71.3 70.7

78.0 78.0

76.0

76.0 78.0 81.3

76.0

76.0

76.0

76.0

78.0

78.0 81.3

78.0

78.0 81.3

78.0

81.3

81.3

81.3

81.3

81.3 84.7 84.7

81.3

81.3

78.0

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

I EAKUNI, JAPAN

73-77

YEARS

18

APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 1

1

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2 5/16

Al

AI

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*

45.3

45.3

45.3

44.1

1.44

44.1

44.0

47.3 47.3

49.3

49.3

66.64

49.3

6.65

49.3

49.3 56.7

47.3

47.3

47.3

45.3

45.3

45.3

45.3

0.44 44.7 46.7

43.3 44.0

41.3

21.3 21.3

NO CEILING

0

¥ 20000

**

44.0

44.1 ٨I VISIBILITY (STATUTE MILES) 44.0 Al 7 7 36.0 44.0 AI 2 2% 36.0 1.55

٨I

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9

(FEET)

36.0

0.49 0.99 49.3 47.3 44.7 56.7 6.7.3 56.7 47.3 49.3 0.49 6.19 0.99 56.7 56.7 56.7 0.49 0.99 44.7 45.3 6.64 56.7 47.3 1.44

48.7

46.0 48.0

0.44 46.0

42.0

21.3 21.3

16000

56.0

55.3 55.3

53.3

24.7

22.0

12000

76.0 70.7 71.3 76.0 70.7 71.3 67.3 0.49 6.64 0.99 70.0 67.3 56.7 56.7 .01 49.3 0.49 56.7 56.7

63.3

62.0

26.0

62.0

26.7

2000

56.0

53.3 0.09

24.7

9000

0

80.0 74.7 16.7 82.7 80.0 70.0 0.99 82.7 67.3 74.7 76.7 7007 74.0 79.3 63.3 0.07 76.0 66.7 69.3 0.89 0.49 65.3 67.3

64.0

26.7

2000

26.7

0

28.7

3500

2000

ALAI

900

AI AI

62.7

26.7

84.0 84.0 73.3 80.0 82.0 83.3 83.3 72.0 14.0 77.3 80.7 0.99 67.3 70.7 64.7

83.3 83.3 80.7 80.7 80.7 74.0 74.0 74.0 32.0 30.7

Ü

88.7

88.7

88.7

84.7

84.7

84.7 88.7

89.3 95.0

89.3

89.3

89.3

88.7

88.7

87.3 88.0 89.3

86.0 86.0

84.0

84.0 86.7

84.0

88.7

88.7

88.7

87.3

86.0

84.0 86.0

84.7

84.7

84.0

84.0

92.0

92.0

91.3

7.06

4.06

ij.

92.

92.7

92.7

7.26

0.26

61.3

40.7

89.3

86.7 88.0

0.49

84.0

84.0 84.0

95.3

95.3

95.3

4.7

0.46

93.3

91.3

0.06

85.3 85.3 88.7

699.3

95.3

95.3

1.46

0.46

93.3

91.3

0.06

0.96 61.3

0.96

96.0

62.3 0.96 0.96

7.46

95.0 94.0 92.0 94.0 92.0 94.0

7.06

86.0 89.3

86.0

84.7 84.7 84.7 84.7 84.7

90.7 40.4

86.0 89.3

86.0

86.0 89.3

86.0

97.3

97.3

1.56 7.46

0

81.3 81.3 74.0 74.0 74.0 32.0 35.0 32.0 32.0 32.0

81.3 81.3 74.0 74.0 74.0 32.0 32.0 32.0 88 900 88 ALAI ALA

0

74.0 74.0 74.0 32.0 32.0 32.0 32.0 88 88 AI AI

0

81.3 84.7 81.3 81.3 81.3 31.3 74.0 81.3 24.0 ALAI

74.0 32.0 32.0 80 ALAI ALAI

TOTAL NUMBER OF OBSERVATIONS

97.3

0.96

95.3

92.0

7.06

89.3

86.0

86.0

84.7

81.3

89.3 90.7

96.0 97.3

0.96

95.3

92.0

89.3

86.0

84.7

86.0

86.0 86.0

84.7

150

98.7100.0100.0100.0 98.7100.0100.0100.0 98.7100.0100.0100.0 98.7100.0100.0100.0

3

99.3 99.3

66.3

98.7

96.0 97.3

95.3

92.0

90.7

89.3

86.0

86.0

66.3

86.3

98.7

97.3

0.96

92.0 95.3 92.0 95.3

90.7

86.0 89.3 89.3

86.0

0.96

0.86

98.0

97.3

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

I WAKUNI, JAPAN

43324

3

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOURS (LST.) APR

2 19

CEILING																
(FEET)	2	9 11	S AI	4	8	≥ 2%	7 1	۲۱ کا ۱۲۸	V1 %	Ā	% Al	*	VI Z	≥ 5/16	VI VI	٨١
NO CEILING	.7		42.0	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.	44.7	44.7	44.7	44.7	44
≥ 20000	.7			47.3	48.0	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.
	.7	6	0.44	47.3	48.0	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.
16000	.7	39.3		47.3	48.0	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.
> 14000	.7		44.7	0.84	48.7		49.3	49.3	6.64				.6	6.64	6	49.
12000	.7	2	46.7	50.0		51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.
1		0	54.7	58.7	89.3		0	0.09	0.09		0.09	•	0	•	0.09	.09
000	.7	50.7		59.3	0.09	60.7	60.7	60.7	0	60.7		60.7	60.7	60.7	60.7	90
	.7	4		64.7	5		9					0.99	0.99	.0		99
141	. 7	54.7		0.99	66.7	67.3	67.3		67.3	67.3	67,3		67.3			67.
1	.7	3		66.7	67.3	•	.00	0.89		8	68.0	0.89	68.0	68.0	0.89	68.
2000	.7	56.7		70.0		71.3	71.3	71.3	71.3	71.3	-			71.3	71.3	7:
		56.7	63.3	71.3	72.0	72.7			2.		72.7	72.7	72.7	72.7		72.
4000	.7	8			74.7	75.3	75.3	75.3		75.3	75.3	75.3	75.3	75.3	75.3	75.
	.7					76.7				76.7	76.7	76.7	76.7		.0	76.
3000		61.3		78.0	80.0	81.3	81.3	81.3	-	81.3	81.3	81.3	81.3	81.3	81.3	81.
1	.7	2.	68.7	80.7	83.3		84.7	84.7	84.7	84.7	*					
7 2000		62.7		82.0	. 4	86.7	86.7	86.7		87.3	87,3	87.3	87.3	87.3	87.3	87.
	.7	62.7		5		86.7	86.7	86.7	87.3	87.3	87.3	87.3	-	87.3		87.
1500	. 7	2		82.0	85.3			88.7			0	0	90.0	0		90
		2		2	5	88.0	88.7	89.3		0	0	40.1	91.3	91.3		
900	.7		69.3		85.3			0	40.4	40.7	91.3			2.	5	92.
		2			85.3		*	0		7.06	-	91.3	2.	•		92.
8	. 7	62.7	69.3	82.0		88.0	89.3	90.7	91.3	91.3	2	92.7				93.
	.7	2.			85.3		6	91.3		92.7	0.46				4.7	94.
8	.7	62.7						92.0		93.3	94.7	94.7	95.3	95.3	95.3	95.
	.7	2.		2	85.3		0			1000					-	
700	.7	62.7			85.3	8	0.06			98.3		97.3	98.0	98.0		98.
	.7	62.7			85.3	88.0		92.7	3		0.86	0.86	48.7	98.7	98.7	98.
7 200	.7	2.	69.3	82.0	85.3	8	7.06	92.7				200	6	100.0		100
W 100	.7	62.7	69.3	82.0	85.3	88.0	40.4	92.7	93.3	96.7	7.86	98.7	.3	10000	0.001	100
	-					+			-				-	-		

0

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TOTAL NUMBER OF OBSERVATIONS

8

0

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

ALL HOURS (1 S T) APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILE	(S						
(FEET)	0 1	9 Al	8 41	4	£ 41	> 2%	7	71 7	¥1	-	* 1	*	Z AI	≥ 5/16	N N	٥
	8	33.8	37.4	38.8	39.5	39.6	39.8	39.9	39.6	6	40.0	0.04	40.0	0.04	40.1	40.1
7 20000	0	6		46.4		-	-	8		8	8	8		8	2	
	0	6		•	-	0.0	•		48.3		•		40.4	48.4	48.5	
N 16000	10.3	6	•		•			•	•			8		8	8	48.8
		0								6	6	. 6	6	6	6	
> 12000		41.7		2.64	0		51.1	-	51.3		51.3		51.3	51.3		91.4
1				4.		9		0	.0	9		.0	0	9		80.95
000 AI	11.4	46.2	51.5	54.5	5	56.3	96.6	86.8	56.8	56.8	56.8			56.8		56.9
		6		8		0		-:	-		-	:	-	-	=	61.3
7000				0		2.		62.6	9.79	3	2.	62.8	62.8	2.	3	65.8
	~	0		C		3		3				3		3	•	3
2000		-		N		*	5	3	2	5	3	2	2	3	3	65.8
	2	2	•	N	+	5	.9		•	9			0	.0		60.9
141				66.3	8			0			0	ò	0	0	0	70.7
		5		00		-	5	2	~	2	72.8	2	72.8	2.		N
3000	*	6		N	5		77.8	8	8			78.8	8	8	29.0	19.0
	3	-		9			-	2.		2	85.8	2.	2.	2.		83.0
7 2000		2	•	77.8	-	2	*	5	5			•	;	. 9	;	86.6
		2.	•	8		2	*			•		•	86.7	•	•	86.9
1500	5	3	•	78.8		*	86.3	87.8	88.2	89.2	6			ċ	1006	30.5
	3		•	00					8	6	8.06	0		:	-	91.3
V 1000			•	6	3.	3	87.8			-	5.	2.		3.	3	93.3
	3	63.1				13	1.	6	0	2		3	•	3		93.6
80		63.1	•			100			:				4			6.46
	5	63.1	•				8	:	:	3	•	3	•	3	•	0.96
8	3	63.1	•	79.5	3		89.1	-	-		2	2.				9.96
	5	63.1	•	79.5	83.8				91.8		4.96	0		8.46	8	98.1
00 Al	3	63.1	•	79.5	3			-	-	5	9		8	8		98.8
	5	63.1	•	19.8	83.8	36.3		91.4	92.0	3	1.	1.	8		6	40.66
7 200	•	63.1	•	79.5	83.8			41.4	2	95.5			98.1	6	99.66	
8		63.1	•			86.3	89.3	-	2							8.66
٥ ٨١	37	63.1	•	79.5	83.8	86.3	89.3	91.4	92.0	85.5	61.3	97.8	98.7	•	99.71	0.00

TOTAL NUMBER OF OBSERVATIONS

1200

* =

DIRNAVOCEANMET SMOS

1526

0

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUMI, JAPAN

00 HOURS (1.5.7.)

MAK

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	•	3	5	7.	7	8	1	6	9.	~	6	3	-	0	2		0	7.	0	0	9	3	4	4	-	. 7	0	0	0	0	0	0	0
	λī	94		26			58		2	63						75	0		-					44		86	00	00		00	00	8	
	7	.5	.5	.1	. 1	8		6.	9.	.2	6.	.5	.7	0.	.2	.5	0.	. 1	0	0.			4.	4.			0	0	0	0	0	0	0
	Al		55	26	26	56		61	62	63	63			69		75		87				9		26		86	001	00	00	00	8	00	8
	5/16	.5	.5	•	•	. 8		6.	.6	.2	6.	•	.7			.5	•		•	0	9.			4.	-		0.	0		0	0	0	0
	VI N		55	56			58	19	62	63						15								97		98	001		001			00	00
	7.	.5	.5	.1	. 1	8		6.		•		•				.5	•			0	9.		4.	4.	-	.7	0	0	0	0	0	0	0
	ΑI		55	56		56		61		63		9				75		87						16	96				001			00	8
	*	5	•		1				.6	•	•						•	.1	•						. 4		.4	4.	.4	4.	4.	*	. 4
	AI	94		56	56					63			67		74	15		8	0	0	0	0	96	96	97	86	6				66	66	66
	*	6.5	5.5	1.0	•	8.9	•	6.1	•	3.2	•	•		•		5.5			•	0.1	•		8.0	8.0	4.	1.	4.	4.	4.	* .	4.6	*	. 4
	٨١			56	5	3	8	0	9	9	0	9	0	9	-	-	00	00	0	ō		6	6	6	0	36		6	6	6	6	6	99
	-	•	5.5	6.1	•	5.8	8.7	1.9	2.6	3.2		4.5			•	5.5	•	7.1		1.0	3.6	4 . 8	5.5	5.5	5.5	5.5	5.8	6.8	5.8	6.8	9.8	6.8	8.9
(ES)	Λι	4	8	3		30	50	0	•	9	9	9	9	9	-	-	80	8	0	0	6	0	0	0	0	6	0			6	_ 1	ŏ	
VISIBILITY (STATUTE MILES)	17	•	5.5	6.1	6.1	•	8.7		2.6	3.2	•	•	7.7		•	3.5	•		•	0.3	2.9	•	4.8	4.8	4.8	4.8	•	6.1	6.1	6.1	6.1	6.1	6.1
STATU	ΛI	4	3			3	7 5	9	0	9		\$	0	9	-		æ	00	0	0	0	0	0	0	0	0		0			0		0
<u>F</u>	17	6.		6.	6.1	6.	•		2.6	3.	3	*	7.	6	;	3	0	-			5.			8.4						6.			
ISIBIS	ΛI	5 4	-	1 5	50		7 5	9 6	9 9	2 6		_	7 6	0	7	8	*	80				6	6	6 9	_	0	2 9	_	6 2	5 9	-	6	2
>	AI	. 9	5.			9			2.	3		. 4	-	6	. 4	50	6	5	6	.6	:	2	9	100			;	. *	. 4	. 4	\$	*	*
+			5	1 5		2	2	9 6	6 6	9 2	9 6	5 6	7	9 0	2	5	4	_		00		6 9	9	6	_	6 9	3	3	3	9	0	3	3
	≥ 2½			. 99		.90	8	.1.	62.		63.				74.	5		54.	. 1	67.	0		1.		91.		32.	.2	12.	12.	15.	2.	12.
+		3		1 5	-	80	1	6	9	2		_	-	_		S		6						100	2	_		0	0	0	0	0	0
	۸I	.05	55.	56.	56.	56.	58.	.19	52.	63.	63.		67.			75.	78.	83.	87.	87.		.06	.06	.06	.06	.06	91.	91.	91.	91.		91.	91.
+		8		3	5	-	-	3	6	_	2	6	-	3	9	co	00	Ó	3	10	_	_	10	-		100)	3	5	80	5	3	10	S
	۸I	45	54.		55.	56.	58	61.	61.	62.			67.		73	74.		31.		84.		86.	86.	86	86.	86.	86.	86.	86.	86.		86	86.
1	•	6	9.	3	3	6	00	4.		. 1	4.		6.		5		0	9.	•	9.	8	2	80		8		. 8		00	80	8	8	8
	Al	43		52	33		-	_	58	28	-	-		_	-	-	-	-	-	73	74	74.	14		-	-			100	74	74	*	14
1	•	0	50	.1	-			.3	6	9.	9.	9.		4.	0		6.	. 2	3	. 5		. 8	æ	80							8		
	ΑI	0.4	46	47	47	4.3	49.	52	52	53	53	53	36	57	00	09	61	63	94	99	69	65	65	6.5	50	65	50	125		69	6 9	65	65
1	01			0.	•	0.	1.9	6.	1.9	6.	1.9	6.		1.9	0.	6.								6.	1.9	6.		•			6.	•	6.
	VI	-	-	-	-	-	-		-		~	-	~		-		-	-	-	-1	-	~	-4	7	~	~		-4	-	-	-	-	~
0		S	8	2	8	9	2	2	2	8	2	8	2	9	2	9	2	9	2	8	8	2	2	8	8	9	9	2	400	2	200	8	
CEILING		NO CEILING	20000	180	16000		12000		9000		7000		2000		90		3000		2000		1500		1000										
0		ž	ΛI	^1	Al	^	I AI	^1	Al	A	Al	^	ı Al	_^	IAI	٨١	۸ı	٨١	۸I	٨١	λI	٨١	M	^1	۸I	^	۸ı	٨١	AI	٨١	AI	ΛI	٨١

TOTAL NUMBER OF OBSERVATIONS

64.5

64.5

64.5

64.5

58.7

58.7 64.5 64.5

58.7

58.7 64.5

58.1

58.1 58.1 58.7 64.5

64.5

64.5

64.5

64.5

64.5 67.1

64.5

64.5

64.5

64.5

64.5

64.5

67.1

67.1 70.3

67.1

67.1

67.1

67.1

67.1

67.7 70.3 72.3

70.3

70.3

70.3

70.3

70.3

70.3 72.3

70.3 72.3 78.7

> 72.3 78.7

72.3

72.3

72.3

72.3

72.3

67.7

81.3

81.3 87.7

81.3

81.3

81.3

78.7

78.7

78.7 81.3

78.7

78.7

78.7

78.1

87.7

87.7 87.7

87.1

87.1

87.1

87.1 85.8 87.1

81.3

81.3

80.0

79.4

87.1

87.1

87.1

78.7

87.7 87.7

CEILING VERSUS VISIBILITY

WAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

IWAKUNIS JAPAN

HOURS (L S.T.)

MAY 03

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

٨I ٨I VISIBILITY (STATUTE MILES) ٨١ ٨I ۸I

٨١

۳ ۸۱

۸۱

٨١

۸۱

2 ۸۱

CEILING (FEET)

51.6 51.6 51.6

51.0

47.1

36.1

NO CEILING > 20000 51.0

47.1

18000

AI AI

51.0

51.6 * ۸۱ 51.6 51.6 51.6 51.6 0 21/2

52.3 52.3 51.6 52.9 52.9 52.9 58.7 58.1 64.5 54.5 52.3 52.3 58.1 58.7 51.6 51.6 58.1 51.6

51.6

51.6 52.3

51.6

51.6

51.6

52.3 52.3

9119

51.6 51.6 52.3 52.9

21.6

51.6

51.6

51.6

0 Al

1 ۸۱

۸۱

2 ۸۱ 52.9

52.9

52.9

52.9 52.9

64.5 64.5 58.7 64.5 51.6 52.9 52.3 52.3 58.7 64.5 64.5 52.9 51.6

52.3 52.9 58.1

48.4

45.2

12000

AI AI

57.4

53.6

58.7

58.1

53.6

49.7

000 000 000

AI AI

63.6

59.4

54.2

89.4

54.2 54.5

2000

AI AI

0

900

ALAI

4500 400 400

AI AI

0

3200

ALAI

52.3

51.6

47.1

67.1 67.7 64.5 67.1 58.1 58.7

70.3 72.3 6.40 67.1 71.6 64.5 67.7 70.3 64.5 64.5 67.1 64.5 64.5 63.9

83.2 78.1 70.3 71.6 76.1 77.4 82.6 66.5 64.5 69.7 76.8 6.19 59.4

82.6 80.0 65.8 71.0 69.0 75.5 71.0 0.69 56.8 29.4

81.3 71.0 80.0 72.3 6119 61.9 6113 61.3

63.2

72.9 72.9 63.2 63.2

900

ALAI

1500 2000 ALAI AI AI

0

0

0

3

155

TOTAL NUMBER OF OBSERVATIONS

0000

99.4

4.66

98.7

98.1

95.5

93.6

92.9

88.4

87.7

87.7

72.9 83.2

63.5 63.2

8.

AIAI

72.9

63.2

88

AIAI

72.9

6.26

88.4

87.7

87.7

72.9 83.2

63.2 63.2

88

AI AI

4.66

98.7 98.7

94.2

2.46 1.86

2.56

2.46

93.6 97.4

93.6

93.6

6.26

91.0 6.26

87.1

82.6 83.2 83.2 83.2

98.1

1.86

4.16

96.8

8.46

93.6

93.6

6.26

4.88

87.7 87.7

98.1 98.1

98.1 98.1

98.1 98.1 98.1

1.86

97.4

4.16

8.96

98.1

4.16

4.16

8.96

8.46 8.46

93.6

95.9 6.26

4.88 98.4

87.7

72.9

72.9

63.2 63.2

88

AI AI

87.7

72.9 83.2

63.2

87.7

83.2

72.9

63.2

88

AI AI

98.1

98.1

1.86

1.86 4.66

98.1 98.1

1.86

1.86

97.4

4.16

96.8

93.6

93.6

92.9

97.4 4.76

8.96 8.96

98.7

98.1

97.4

93.6 93.6 93.6 95.6 63.6

92.9 92.9

93.6

6.26

88. 4.88

87.7

72.9 83.2

4.16

91.0

0.16

91.0

91.0

90.3

6.06

6.06

90.3

89.0 91.6

88.4

83.2

84.5 86.5

85.2

85.2

87.7

87.7

SMOS

12595-06181

43354

10 522/ DIRNAVOCEANMET

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S.T.) MAY

	AI	31.0		45.0	-	45.2	45.8	54.2	54.8	56.1	57.4		60.0			69.7									95.5				99.4			0.001	0000
	VI VI	31.0	•	•	•	•	•	•	54.8	•	57.4	•	0.09	0	7.	69.7		8	3.	3			3	•	95.5	•	8	8			4.66	4.66	4.66
	≥ 5/16	31.0	-	•			3	4	54.8	•			0	ċ		6						0	3	3		9			6	6		4.66	4.66
	× AI	31.0		•	•				54.8	•					67.1	69.7		8		83.9	8	0	3	•	95.5			8.	_	98.7	98.7	98.7	98.7
	* AI	31.0	-	0.74	3.	45.2	2			9	-		0	0	67.1	6		78.7	3	3.	8		3.	3	95.5	•	-	4.70	98.1		98.1		98.1
	X Al	31.0	•	•	•			4.			7		0		67.1	69.7	1.				*	0	3	•	95.5	•		•	-	97.4	97.4	4.76	97.4
.ES)	Ā	31.0	-	•	3.		30	. 4	54.8	0	-	-	0	0	67.1	6		8	2		-	6	2	2	3	*		5				96.1	96.1
VISIBILITY (STATUTE MILES)	Y1 X1	31.0		•					54.8	1.95			60.0	0	-	69.7		20		•	-		4				3		~			92.9	92.9
IIBILITY (SI	۲۱ ۶۲	31.0		44.0	. 3.	45.2		4.	54.8	0	1		0	0	67.1	6	7.	8		3.		6	-	-:	92.3	2.	2	2	2	2	2.	92.9	95.9
N A	AI	31.0	-	•	3.	•		. 4	54.8	5	•		6	0	-		.9				-	3		5		•		•	87.1	87.1	87.1	87.1	87.1
	Y 2%	31.0		0.74		-	3	4.	•	5.	9	.0	6	0	66.5	6		-	•		0	-:	2	2.	83.2	3		3.	-	3.	3	83.9	83.9
	e vi	30.3	0					3.	54.2	\$	•	•		6		8	74.8		77.4	78.1	6	0	-	:	81.3	-	81.9	-	81.9	-	81.9	81.9	81.9
	AI AI	30.3	0		3	44.5	45.2	51.6	52.3	52.9		*		-	63.9	9	71.	72.	74.	74.	75.	76.	77.	77.4	77.	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
	S AI	29.	0.	.1.	45.	43.		51.		_		5	5	36.	61.3	63.	68.	69	71.	71.	71.	•	72.	72.	72.3	72.	72.	72.	72.	72.	-	72.3	72.3
	41	27.7	33.	20.	38.	39.	39.	45.	45.	46.	47.	47.	49.	49.	5	56.	.09	61.	62.	62.	9	0	62.	62.	9	62.	62.	9	62.	62.	62.	62.	62.6
	71	6.5	0		-			-	12.3	2		3		2	13.6	*		5		3		5		3		5			5		15.5		15.5
CEILING	(FEET)	NO CEILING	337	18000			≥ 12000		0006		7000	1	2000		400	1	3000		7 2000		1500		1000		8		8		141		300	-	0

TOTAL NUMBER OF OBSERVATIONS

SOWS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

00 MOURS (1.5.7.) MAY

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	ILING							VISI	IBILITY (ST.	VISIBILITY (STATUTE MILES)	ES)							
=	(FEET)	N 2	۸I	SO AI	**	e Al	> 2%	7 Al	۷۱ ۲۲	¥1 Y1	- AI	% Al	*	N %	≥ 5/16	VI 3	AI	
Ş	CEILING	12.3	26.5			4.	4	. 4		*		*				34.	m	.2
AI	20000	14.2	34.2		2	*	4	*				+	;			44.	4	. 5
	18000	14.2				3		5.	•	5		5		2		45.	4	.2
AI	16000	14.2	34.8	-		2	101	5.	2	2	5	2	2	2		45.		.2
	14000	14.2	34.8			3		3	•	2	5	5	3			45.	*	.2
IAI	12000	14.8	36.1	43.9	45.2	-	-	-	47.1	-		-	-	-	-	47.	*	-
	10000	16.8	41.3	6		3.		3.		3	3	3	3	3	3.	53.	3	
AI	9006	17.4	41.9	50.3	:		4	4 .			4.		24.5	*	4.	54.	S.	.2
^	9000	18.1	45.2			8		6	6	6	6	6	0		6	59.	S	
IAI	2000	18.7	47.1	•		0	-	-	-	-	-	-	-	-	-	61.	•	
^	9009	18.7	47.7	;	0	-		3.		3		3	3	3	3.	63.	9	
1 11	2000	18.7	48.4	57.4	0	2.	(40)	4	;		3	4		*	;	64.	•	
^	4500	18.7	48.4		·	3	3	5	6	9	9			9	9	99	•	
1 11	4000	20.0	5	2		7	9	0	-	-	-	-	-	:	-	71.	_	
^	3500	20.7	53.6			6	-	2.	3	3	3	3	3	3	3	73.		
1 11	3000	21.3		3	6		2	*	•	9	•	•	•		•	76.	-	
^	2500		-		~	9	-		0	0	ċ	0	0	0	•	80.	-	
IAI	2000	23.2		•	3		0	-		4	2	3	3	2	2	85.	a	.2
^	1800	3			3	8	G,	-		*		2	3	2	5	85.	8	.2
1 11	1500	23.2	60.7	•		80.7	82.6	85.2	88.4		•	89.7	6	89.7	6	89.	7 89	
^	1200	23.2	60.7			-	503	3	6	6	6	:	-	:	-	91.	5	
1 11	1000			•		-	3	-	:	:	-	5	95.9	3	2.	92.	0	
٨١	98	23.2	60.7		0	-	443	-	-:	-	-	2	5	2 .	2.	92.	5	
۸۱	80		-	•		-	14	-	1:		2	*		;	•	94.	0	00
٨	700	23.2		•		•	40	1.	-	1.	5	4.		*	4.	-	2 95	. 5
1 1	900		•	•		-	3	:	-	:	;	•		•	•	_	0	. 8
٨١	200	23.2			9	81.3	60		-	:	;		:		8	-	66 7	.4
AI	400			•		-	3		1:	:				8	6		2	•0
٨١	300	23.2		72.3	76.8	81.3	83.2	87.1	91.6	91.6	8.76	98.1	1.86	98.1	7.66	1000	0010	.0
۸۱	200		0	•		-	643		-	-	3	1.86	1.86	1.86	6		2	0
Al	90	23.2	•	72.3	76.8	81.3	83.2	87.1	91.6	91.6	94.8		1.86	1.06	99.	100	000	0
^'	•		1000	•	0	81.3	3	87.1	91.0	:	•	1.06	1006	1004	49.6	100	0010	0

0

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0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

20

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

I WAKUNI, JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12 HOURS (1 S T.) MAM

* =

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	£S)						
(FEET)	2	9 Al	S Al	4	S AI	≥ 2%	Al	71 %	71	<u></u>	۸I	*	Z Al	≥ 5/16	VI 74	٨١
NO CEILING	œ			4	3	5	5		3	3	5	5	35.5	5	35.	3
> 20000	~			•	44.5	44.5	44.5	*	44.5	44.5	*	44.5	*		**	5 44
	3.		45.6			45.8		45.8		45.8	45.8			45.8	45.	4
00091 1	23.5	41.3		43.9	•	5	45.8	45.8		45.8	5	45.8	45.8		45.	8 45
	3.			45.8		47.7	47.7	47.7	7.	47.7	-			47.7	-	47.
≥ 12000	23.2	45.6	44.5	46.5	48.4	00		48.4		48.4		48.4		48.4	48.4	*
-					5		3	5	5.	3	3	2	5.	5	55.	8
0006	25.2					. 9		56.1		•	•		•		56.	5
	3				0	•	0	0	0		0	0	0	•	90	•
7000	3	*			61.3		61.9	61.9		1122			:		61.	9 61
	27.1			.0	3	3	3.	3.	3	3.	3	3	3	3.	63.	0
9006	-	58.7				.9	7.	67.1	7		-	-	7.	67.1	7	•
	-	6		S.	-		50		00	8	6		6		69	0
141	6	*		-		4	3	75.5		5				76.1	76.	•
1	30.3	5		2.	9	.0			30	8	8	8	8		78.	-
3000	-	-				-	-	-		82.6			3	83.2		œ
1	34.2			6	2.		3	3	9		87.7	87.7	-	87.7	-	0
2000	34.2	7			3.	5		87.1				0	6	89.7		00
1800	34.2	71.0	75.5	4.64	3	35.8		1.	8	88.4			89.7	89.7	89.	7 89
		1.	•	0			0	0	-		3	3		3	93.	0
	34.2	1.		.0	1.	6	-	-	2.	3.		+	*	94.8	94.	0
2 1000	•			1.	1.	0		93.6				1.	8	8.	98.	0
00 AI		-		1:	7.	0		3	*	5	1.		8	8	98.	0
		-		-		0	3	3	;		-			98.1	98.	0
		-	77.4	81.9		-	*		3.		8	1.86	98.7		8	
00 Al	34.2	1:	77.4	-		-	*	2.46	3.	96.1	98.1			4.66	99.	
			77.4	81.9		91.0	*		5			8	6	6	66	
007 3	34.2	71.6	77.4	-		-		•		96.1				99.4	66	4 99
300	34.2	1:	77.4	6.18	88.4	0.16	34.5			1.96	98.1	7.66	100.00	0	100	0010
	;	71.6	77.4	81.9		-	;	2.46	3	96.1			0	0000	100	2
V 78		41.6	77.4	1.	88.4	0.16	2.46	2. 46	62.5	1.96	1.86		10000		100	10
	34.2	71.6	11.4	81.9		91.0		34.5		96.1		99.4		0001	100	0010

TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

43324 STATION

0

0

0

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0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

INAKUNIS JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15 HOURS (LST.) MAY

0 2

CEITING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	(S)						
(FEET)	2 1	٨١	8 41	AI AI	e Al	2 2%	7	71 7	71 71	-	% Al	*	Z Al	≥ 5/16	× 1	0 1
NO CEILING	20.	0	12	2	3		2.	32.3		32.3	2	32.3	32.3	32.3		32.3
> 20000	25.	38.1	40.0	40.0	41.9	41.9	41.9	-	41.9	-	41.9	41.9	41.9	-	41.9	41.9
	5	8	-	41.3	•	43.2	3.	43.2			3	43.2	43.2	43.2	43.2	43.5
V 16000	3		:	-			3	43.2		43.2	3			43.2	43.2	43.2
1			3	43.8		45.8	•	•		•			•.	45.8	•	45.8
12000		44.5	47.1	47.1		0.64	6	0.65		0.64	6		6	6	6	0.64
1 -	-			33.6	53.5	55.5	5.	•	3				2	55.5	3	55.5
000	2	-	;			9	56.8	•	•	•			•		56.8	
			:	61.9	63.9	63.9	. 4	64.5	3	•		64.5	*	64.5	*	64.5
1 7 1000	33.6	57.4	62.6	62.6		4	65.5	65.2		65.2		80		3		65.2
	3				.0	60.99	•							67.1		67.1
2000	3		:	65.2	67.1	67.1		67.7		67.7	-		-	67.7		67.7
1				6	-	-	2.		2		2	2.	72.3	72.3	2.	72.3
000	2.	-	0	80.0	3	83.2	83.9			83.9	83.9	83.9			3	83.9
	3	-		0			:	:	3	*	;	:	84.5	84.5		84.5
3000			80.0		85.2	*	-	87.1	87.1	87.7	87.7	-				87.7
	43.9	:	-				6		6			6				
2000	43.9	74.2	81.3	*	88.4	0	9116	-				65.3	92.3		•	
		*	:	84.5		-	-		-	92.3	2		7	92.3	~	92.3
1500	3	*	2		6	-	*		34.5		95.5	•			3	
	3	*	2.		6	-	*		*		-		1.96	96.1		
1000	43.9	4	82.6			95.9			1.96	8.96		1.		97.4	97.4	97.4
	3	14.8	2	86.5			•	•	1.96		1				•	
8 Al	3	*	82.6	. 9	0	N	96.1		1.96		97.4	4.16	-	97.4		
		;	2	86.5	0	N			96.1	8.96	97.4	98.1	98.1	98.1	98.1	98.1
% AI	3	74.8	82.6	86.5	6.06	•	1.96	6	96.8				8		98.7	
		;	3	87.1		2.46		98.1	98.1			100.00	0	0	0000	0.00
141	3	;		87.1	91.0		4.16	98.1	98.1	7.86	4.66	•				0.00
		*	83.2	87.1	91.0	2.46	4.16	1.86	98.1		4.66	0	10.00		0000	0.00
N 30		74.8	3	87.1	-	84.5	97.4	98.1	1.96	98.7	4.66	•	•	0.00	0	0.00
VI 8	43.9	•	83.2	87.1	91.0		4.16					0.001	0	0	•	
o Al	3	74.8	83.2	87.1	91.0	94.2	4.16	98.1	98.1	98.7	4.66	100.0	00.00	0000	00.00	0.00

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1

TOTAL NUMBER OF OBSERVATIONS

135

,

SMOS DIRNAVOCEANMET

20

43324 STATION

0

0

0

0

0

3

0

0

0

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8

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUNIS JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18 HOURS (1 S T.) MAN

OF O

0

13

SMILES							VIS	VISIBILITY (STATUTE MILES)	ATUTE MILI	ES)						
(FEET)	2	٥ ٨١	8 41	A)	N AI	2 2%	2 7	¥1 Y	YI XI	-	× AI	* 11	N Z	≥ 5/16	× AI	٨١
NO CEILING	3	3		0	9	5	0			9	0				9	36.1
> 20000	8			43.2	43.5	•		43.2	43.2	•	43.2	43.2	43.2	43.2	43.2	43.2
18000	6	0			•					•						43.9
16000	0	-		•	45.2	45.2	45.2		45.2	45.2	45.2			45.2	45.2	45.2
	0	2			5.	•	5	45.8	5				45.8			45.8
> 12000	31.6	45.2	47.7	48.4	48.4	•	48.4	48.4	8	48.4		8		•		48.4
				54.2	_	54.2	4			*	•				;	54.8
0006	+			4		54.8		55.5			5		5	55.5		55.5
	-				3	•	3				3			•	3	
7000	7.				63.9		64.5		64.3		64.5	64.5	64.5		64.5	64.5
	00			5	5.		3	65.8		8	5					65.8
2000	6			67.7	7.			4.89		68.4	8					
	0			-	-	-	2.	2.		2.		2.		72.3		72.3
4000	2				-	8			78.7	78.7			8			78.7
	2			0	0		-	-:		-	-		-		-	
3000	3			82.6			5	85.2			3	85.2	3		3	85.2
				84.5	3	•	-	-		-	7.	-	-	-	-	87.1
7 2000	3				1.	8	0			0	0		0	0		
	-	76.8		86.5	87.7	38.4	6.06	90.3	80.3	8003	600	80.3	\$0.3	90.3	90.3	90.3
≥ 1500	13			87.7	6	6				;			3	2	3	95.5
	3.			88.4		6.06	*	95.5			3.	-	•	•	•	1.96
VI 1000				88.4	6	0					0	•	-	97.4		
	3	77.4		88.4	6	6.06	*	1 96		97.4	1.	97.4	98.1	98.1	98.1	98.1
88 Al	3	77.4			6	0	. 4				-			98.1	98.1	98.1
	3	77.4		88.4		•	3			8	8	1.86			98.7	98.7
9	3	77.4			90.3	91.0	8.46	96.8	97.4	98.7			4.66	99.4	4.66	4.66
	63	77.4		89.0		•	. 4		97.4		8.	186	4.66		4.66	4.66
N 400		77.4	87.7		0	-	8.46	•	97.4				4.66		4.66	
	3.	77.4		89.0	6006	•	*		4.16	98.7		1.86	4.66			4.66
N 200	3	17.4	87.7	•		-	94.8	8.96	97.4				4.66	99.4	1000	0.00
901	43.9		87.7	89.0	600	91.0	8 - 76	8.96	97.4	48.7	7.86	48.7	7.66	4.66	100001	0.00
٨١	3.	77.4	87.7	89.0	90.3	-	*		97.4		98.7		4.66	4.66	10000	

TOTAL NUMBER OF OBSERVATIONS

155

3

SWOS

AVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

IMAKUNI, JAPAN

0

MAY MONTH

> PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

53.6 53.6 52.3 52.3 2 ٨I 53.6 ٨١

٨١

٨١

71.0 71.0 66.5 4.89 58.1 65.2 63.9 78.7 58.1 65.2 65.2 78.7 4.89 78.7 71.0 58.1 63.9 58.1 53.6 49.0 66.5 65.2 58.1 58.1 VI VI 0.64 52.3 53.6 0.64 58.1 58.1 ٨I

53.6

52.9 52.9 53.6 53.6 53.6

49.0

36.8

7 Al

N Al

AI

1

AI

2

(FEET)

NO CEILING ≥ 20000

VI VI 00061 00061

12000

52.3 52.3

58.1

58.1

58.1 58.1 63.9

55.5 56.8 57.4 58.1

51.6

58.1

55.8 57.4

55.5

50.3

000 000 000

AI AI

0

50.3

63.9

65.5

63.9 64.5

63.2

61.3

55.8

7000

AI AI

0

58.1

2000

ALAI

60.7

58.1

80.0 80.0 80.0 4.88 4.88 85.8 91.0 71.0 80.08 0.16 88.4 88.4 65.2 65.2 66.5 63.9 71.0 78.7 85.8 80.0 80.0 68.4 71.0 71.0 4.89 65.2 85.8 63.9 58.1 65.2 4.89 66.5 66.5

71.0

10.3

69.7

0.69

60.99 72.9

60.7

76.8

67.1

6.1 6.

4500 400 400

AI AI

0

77.4 78.1 78.7

78.7

78.1

73.6

67.7

1.9

76.8

69.7

5.6

3000

AI AI

0

68.4

62.6 64.5 65.2 65.8 63.9 66.5 67.1 67.7

93.6 93.6 92.3 91.0 91.0 94.2 94.2 91.0 92.9 93.6 91.0 92.3 88.4 88.4 80.0 80.0 91.0 91.0 6.06 85.2 86.5 87.7

0.68

87.7

84.5

78.1

71.0 71.0

81.9 85.2

76.8

69.7

5.6 9.2

2000

ALAI

87.7 89.0

84.5

78.1 78.1

8.96 94.8 96.1 92.9 8.46 9.16 6.06

93.6

93.6

93.6 93.6 2.46 2.46

92.3

92.3

94.2 2006

2.46

94.2 2.46

2.46

96.1

96.1

4.76 96.1

98.1 98.1

97.4

4.16 98.1

98.1 98.1

4.66

4.66

85.8 88.4 88.4

85.8 85.8

91.0

91.0

91.0 91.0

91.0 91.0

91.0

1.96 95.5 95.5 1.96 96.1 95.3 93.6 92.3 92.3 92.9 93.6 93.6 89.0 90.3 90.3

85.8 89.0

89.0

85.50 85.00 85.8

> 78.1 78.1

71.0

71.0

900

AI AI

0

71.0

5.6 5.6 5.6

1800

ALAI

2.6

89.0

85.8

78.1 78.1 78.1 78.1

71.0 71.0

5.6 9.7

88

AIAI

78.1

71.0

5.6

85.8

8.96 96.1 93.6

85.8

71.0

2.6

88

AI AI

0

71.0

3.6

71.0

9.7

88

AI AI

1.0

88

ALAI

1.0

1.0

80

ALAI

96.8 9. 6 89.7

TOTAL NUMBER OF OBSERVATIONS

4.76

155

3 =

98.7100.0100.0100.0100.0100.0100.0

98.7100.0100.0100.0100.0100.0100.0

3

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNIS JAPAN STATION MANE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L S.T.) MAY

D 2 8

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILI	(53						
(FEET)	S VI	9	\$9 A1	7	e Al	N 2 %	2 1	VI VI	¥1 Y	Ā	% Al	* 1	Z Al	≥ 5/16	NI NI	0 11
NO CEILING	10.7	32.3	35.1	36.1	36.5	.0.	36.7		6.	36.7	36.7	36.7	36.7	36.7	36.7	36.7
7 20000	9	6		43.3	0	•	0	40.4	•	•	40.4	*0.	•	•	•	
≥ 18000	-	ċ	;	•	•	•	-	47.2	•			7.14	-		47.2	47.2
	*	41.	*	46.5			•	•	•			47.5			•	47.5
	3	42.	9	47.8			8		8		8		8			
> 12000	14.3	4	1.	40.4	ò	•	0	50.5	0	0	0		0	0	0	
1	5	4	*	84.9	0		.9	6.				9	9	9	9	
0006 Al	5	.64		55.6	6.95		-		7	57.1		57.1	-	-	-	37.1
1				0	-	-	-	-	-	-	-	-	-	-	-	
7000	16.5			01.0			63.0	63.1	63.1	3	63.1		63.1	63.1	63.1	63.1
1				2	3			4	*	4	*	1.49	4.	4	;	
2000		56.1	-	64.2	3	100		4.99					•	4.99	4.99	4.99
1		57.	3	.0	-		8	8	8	8	8	8	8	8	8	
9				2	3	4	4	5	3		3	•	3		3	75.1
1		1_	0	3	5	0	9	.0			-	-		-	-	
3000		65.6	2	77.0	19.1	80.1	81.0	81.5		81.7	81.8	81.8	81.8	81.8	81.8	81.8
1		_	:	6	-	3.	. 4		*	3	2	3	3	5	2	
2 2000			i	ċ	;	10	•	-	8	8	8		8			
		_		-	3	0	.9		8	8	8	88.8		8	8	
> 1500			3	82.3		87.3	6	91.1	-	-	3.	2	3	2.	2.	95.4
			:	2.	0	*	.0	2	2		3	3.	*	*		0.46
1000			-	3	-		•	3	4		5		0		;	
		_	1.		-		-	3	*	5	3	3	0	9	9	
8			-	-	-		2	*	*	5		•		.0	-	
		_	2		87.4		2		;		2	-	-	-	-	
8			-	83.4	-		2	;	3		-			8		98.6
			-		87.7	4.68	2		3		3	4.86			6	
140	20.7		77.3	83.5	87.7		92.7	0.66	95.3	-	98.6		66.3	6	98.6	
		68.4	-	83.8	1.18	89.4	92.7	95.0	3	•	8	6	6		49.7	4.66
7 200		0	-	83.8	87.7		92.7	2	3		8	•	6	6		
81			77.3	83.5	87.7	4.68	62.1	0.56	3	7.	98.6	0.66	4.66	49.7	8.66	0000
0	20.7	4.89	-	83.3	87.7	4.68	92.7	3		97.2	8		4.66			

TOTAL NUMBER OF OBSERVATIONS

1240

SOMS DIRNAVOCEANMET

0

0

50.7

50.7

50.7

50.7

50.7

46.7

46.7

46.7 46.7

46.7

46.7

46.7

46.7

26.0

26.0

26.0

56.0

56.7

56.7 62.7

56.7

56.7

56.7

62.7

62.

63.3 63.3

63.3

62.7

74.0

74.0 77.3 77.3

74.0 74.0 74.0

74.0 77.3 83.3

77.3

77.3

77.3

83.3

83.3

83.3 83.3

83.3

72.0

72.0 74.0

72.0

72.0

72.0 72.0

72.0

1.99

64.7

64.7

64.7 66.7

64.7 66.7 66.7

64.7

64.1

66.7

66.7

95.3 96.0

95.3 0.96 97.3 0.86

95.3 96.0

95.3 95.3

7.96

7.46

93.3

0.96 0.96

6.36

6.56

63.3

61.3

7.96 97.3

7.96

7.46

92.7

89.3

86.0

76.0

97.3 97.3

96.0

90.0

0.06 0.06

0.06

89.3

89.3 0.06

89.3 89.3

89.3

89.3

89.3 0.06

87.3

87.3

87.3 87.3 87.3

86.0

86.0

86.0

86.0 86.0

86.0 86.0

86.0

87.3 89.3 0.06

86.7

CEILING VERSUS VISIBILITY

WAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

73-77

マラフ

00 HOURS (1 S.T.) MONTH

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

50.7 26.0 63.3 63.3 46.7 56.7 64. 64.7 % Al 56.0 56.0 46.7 64.7 62.7 46.7 46.7 56.7 46.7 50.7 64.7 63.3 63.3 50.7 62.7 62.7 50.7 63.3 46.7 56.7 46.7 46.7 7

> 50.7 56.0

49.3

40.0 48.0

28.0

V 1 V

26.7

55.3

44.0 53.3

54.7

43.3

30.0 30.0

000 000 000

AI AI

40.1

40.04

N Al

٨١

71

2

(FEET)

NO CEILING > 20000 46.1

36.7

26.7

VI VI 0008 0008 0008

26.7

26.7

1.99 64.7 66.7 26.0 56.0 64.7 1.09 50.7 56.7

74.0 77.3 83.3 72.0 72.0 77.3 83.3 74.0 74.0 72.0 63.3 63.3 54.7 64.7 2001 64.7 65.3 66.7 62.7

63.3

61.3

50.7

34.0

2000

AI AI

62.0

50.0 60.0

63.3

61.3

50.7

34.0

49.3 59.3 61.3

32.7 33.3

2000

AI AI

88.0 83.3 86.0 81.3 84.0 85.3 80.0 82.7 83.3 86.7 73.3 85.3 70.0 72.0 84.7 71.3

36.7 55.3 67.3

55.3 66.7 52.0 62.7

36.7

4500

AI AI

3000

AI AI

2500

ALAI

1500

AI AI

34.7

85.0 88.7 91.3 86.0 88.7 91.3 82.0 76.0 82.7 73.3 75.3 76.0 56.7 69.3 60.0 76.0 58.0 38.0

60.0 76.0 86.0 59.3 0.09 0.09 39.3 40.0 40.7 40.7 40.0 40.7

0.09 40.7 40.7

98

AI AI

AI AI

60.09 40.7

40.7 40.7 40.7 40. 88

60.0 76.0 60.0 76.0 0.09 40.7 80 88 88 88

99.3100.0100.0100.0100.0100.0100.0 99.3100.0100.0100.0100.0100.0100.00 99.3100.0100.0100.0100.0100.0100.00 0.0010.0100.0100.0100.0100.0100.06 99.3100.0100.0100.0100.0100.0100.0

99.3100.0100.0100.01 99.3 99.3 99.3

98.7

98.0

0.46

94.0

0.06 0.06

67.3

6.36 96.0

93.3

86.0 86.0

76.0

99.3

0.86

98.0 98.0

150

TOTAL NUMBER OF OBSERVATIONS

98.7

7.96

0.46

90.0 94.0

86.0

86.0

76.0

60.0

40.7

AI AI

86.0 90.0 94.0 96.7

86.0 90.0

86.0

76.0

ALAI

SMOS

0

SZZ

0

0

0

0

0

0

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DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUNI, JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

03 HOURS (LST.) NOUTH NOW

225

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	(S)						
(FEET)	5	۸I	S)	AI	۸I	> 2%	N Al	71	VI 7.	<u></u>	* Al	*	Z N	> 5/16	× 11	٨١
NO CEILING		27.3	32.7	36.7	38.0	38.7	38.7	38.7	38.7	38.7	6	39.3	39.3	39.3	39.3	39.3
1 20000		30.7		3	•	2	3	0	3	•	6	•		0		0.04
N 18000		ċ		43.3	44.1	45.3	45.3		45.3	45.3	40.0	0.04	0.04	46.0		0.04
		ċ				2	5		5	•	•			•	0	40.0
		:		•	45.3	46.0	•	0.94	46.0	46.0		46.7	46.7	46.7	•	46.7
> 12000		32.0			47.3	8	48.0		48.0	48.0	48.7		8		8	48.7
1 3 2		5		53.3	55.3	56.0		•	96.0	56.0			20.7	56.7		56.7
0006 AI		•		4.		8.	8	•	8	8.		8	8			58.7
		8	49.3	58.7	2.	•	62.7	62.7	62.7	62.7		63.3	63.3	63.3		63.3
7000		8			62.7		3			63.3			4	*	*	
		8				63.3	3.	3	•	•	*		0.49	•	4	
9000		0			94.0	*	64.7		64.7	-		3			3	65.3
		40.7	52.7	2	3	9	9	66.7	•	9			67.3	67.3	-	67.3
400		2		0.99	70.0	•	72.7		72.7	72.7		3	73.3		3	•
		2		0			*		*	74.7	3		2	•	5	
3000				69.3	74.0		-						78.7	8		
		3		72.0	77.3	6		82.0	2.	82.0			82.7	82.7	2.	82.7
7 2000		;				N	*			•		-		-	-	
		0.44	2009	74.0	80.0	82.0	84.7	86.7	86.7	86.7	87.3	87.3	87.3	•	87.3	87.3
> 1500				•	1:		-	6	6		0	ċ	0			
			60.7	74.7	81.3	84.0	8	0	0	•	-		1.3		=	
000				•	:				2.		*		4.0	4.	0.46	
		44.0	60.7	•	81.3	84.7		93.3	63.3	0.46	*			64.7	. 4	4.1
00 Al		*	20.1	74.7	-		0	3		*	•	•	•	•	•	
		0.44	60.7	74.7	81.3	4	0	•		4.7			0.96	0.96		0.96
9		;	60.7	74.7	3.		-	;		•	-	-	-		-	
		44.0	60.7	74.7	82.0	86.0	2	•	5	84.3		80	98.7			
A 400		;	60.7	74.7	2.	•	2	5	3				48.7		8	
		44.0	60.7	74.7		86.0			0.96	_		66.3			6	88.3
> 200		*	60.7	74.7	82.0		92.0		6.	8	66.3	6	6	0	0	00.00
91		44.0	60.7	74.7	5.	86.0		0.96	0.96	0.86		66.3	99.31	0000	0	0.00
0		,	40.7	74.7				. 9	.0	8	6	6	6	00.00	00.0	0000

TOTAL NUMBER OF OBSERVATIONS

150

1081

SMOS

43324 STATION

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNIS JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00 NOUNE (1 S T.)

8 2 3

CEILING	1						VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	۸۱	\$0 A1	4	e Al	≥ 2%	7 41	٧١ ٧٧	¥1 VI	-	*	*	Z Al	≥ 5/16	VI Z	٨١
NO CEILING			30.0	5			36.7	36.7		36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 20000	6.7	24.0	34.7	42.0	45.3	45.3		46.0	0.94	46.0	46.0	0.94	46.0	46.0		46.0
				43.3	46.7					47.3		47.3	47.3	47.3		47.3
V 16000	6.7		36.0	43.3	46.7	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
	6.7		36.7	44.0	47.3	47.3	8		8		3	8	8	8		48.0
7 12000	6.7	26.7	38.7	46.0	49.3	46.3	20.0	50.0	50.0		20.0		20.0	50.0	50.0	50.0
	6.7		42.7	51.3	55.3	26.0			57.3	58.0	8	58.0	8	58.0		58.0
0006	6.7	30.0	44.0	52.7	56.7	80		59.3		0.09		0.09		0.09		60.0
	6.7		46.7		0	62.7	*	0.49		64.7	*	*	*	64.7	;	64.7
7000	6.7		46.7	56.0	60.7		0.49	0.49	0.40	64.7	64.7		64.7	64.7	64.7	64.7
	6.7		46.7	26.0	-	3	*		4	65.3	5		65.3			65.3
2000	6.7		48.0	57.3	63.3	65.3	66.7		66.7	67.3	67.3	-		67.3	67.3	67.3
1	6.7		48.0	57.3	*	.0		8			00	8			68.7	
904	6.7		50.7	0.09	68.7	70.7	72.7			76.0	76.7		70.7	76.7	76.7	76.7
	6.7		51.3	61.3	0	2	4	74.7	5		8			8	78.0	78.0
300	6.7		52.7	62.7	71.3	73.3	75.3	76.0	76.7	78.7	79.3	0	79.3	79.3	79.3	
1	7.3		54.7	64.7			8			2.		2.			2.	82.7
2000	0.8			0.99	75.3	78.7	80.7	81.3	2	84.7	85.3		85.3	85.3	85.3	85.3
-	8.0		56.7	1.99	0.96	19.3	-		82.7	85.3		86.0	86.0	86.0	•	
7 1500	8.0			1.99	76.7		84.0	84.7	85.3	0	0	0	0	•		2006
	0.8		36.7	66.7	7007	82.0			85.3	0.06	95.0		95.0	92.0	2.	92.0
1000	0.0		56.7	1.99	77.3	82.7	85.3	86.0	86.7	:	63.3	93.3	93.3	93.3	93.3	63.3
	8.0			66.7		92.7		86.0	86.7	91.3	m		93.3	93.3	3	93.3
88 Al	0.8		56.7	1.99	77.3	82.7	85.3	86.0	86.7	:	0.46	0.46	0.46	0.46	*	0.46
	8.0			67.3	78.0	83.3	86.0	86.7		92.0	*	4.1	4.7		1.96	4.7
8	9.0		57.3	67.3	78.0	83.3		88.0	88.7	0.46	97.3	-	97.3	98.0	98.0	98.0
	8.0		57.3	0.89	78.7			88.7	89.3	68.3	6			0000	0.00	0.001
8	0.8	39.3	57.3	68.0	78.7	84.0	87.3	88.7	89.3	98.3	66.3		99.31	0000	0000	0.001
	8.0		57.3	0.89	78.7		87.3	88.7		68.3				0000	00001	0000
200	8.0		57.3	68.0	78.7	84.0	87.3	88.7	89.3	95.3	66.3	86.3	6	0000	0.001	0.001
8	8.0	39.3	57.3	0.89	78.7		87.3	88.7					99.31	0.00	0	0000
٨١	•		57.3	68.0	78.7	84.0	87.3	88.7	89.3	95.3	66.3	86.66	99.31	0000	10000	0000

AL THE MAN STREET

TOTAL NUMBER OF OBSERVATIONS

150

3

0

0

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUNIS JAPAN

73-77

00 HOURS (1 5 F.) S THOM

PERCENTAGE FREQUENCY OF OCCURRENC	CEDAM UDITOL VIBSEDVATIONS
PERCENTAGE F	ACGS)

NO CEILING NO	2	23 22 22 23 2 24 25 25 25 25 25 25 25 25 25 25 25 25 25	32.0 3	2.0 32.0	AI N	% Al	*	Z AI	2 5/16	1	
10.0 1 18.0 18.0 18.0 18.0 18.0 18.0 18.	2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	10.0 4 4 2 2 1 1 2 3 4 4 2 2 4 4 3 4 4 5 4 4 5 4 4 5 4 4 5 4 5 4 6 4 6 4 6	32.0 3	2.0 32.				- The state of the	1	× AI	A)
10000 8.0 24.0 31.0 31.0 31.0 32.0 34.0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11.3 42. 11.3 42. 12.0 43. 11.3 54.	40.04		32.	32.	22.0	2	32.0	32.0	32.0
18000 8 0 24 0 31 13000 8 0 24 0 31 13000 8 0 2 24 0 31 13000 8 0 7 26 0 34 13000 8 0 7 26 0 34 13000 8 0 7 27 0 3 38 1300 10 0 0 3 1 0 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.3 42. 1.3 46. 1.3 54.	The same of the sa	4.0 44.	0 44.	0.44 0	44.0	44.0	0.44	0.44	44.0
10000 8.0 24.0 34. 12000 8.7 26.0 34. 12000 8.7 26.0 34. 12000 8.7 27.3 38. 12000 8.7 27.3 38. 1200 10.0 31.3 42. 1200 10.0 31.3 42. 1200 10.0 31.3 42. 1200 13.3 40.0 52. 1300 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11.00 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	40.54	4.0 44	44.	* **	0.44	0.44	0.44	0.44	44.0
12000 8.7 26.0 34. 12000 8.7 26.0 34. 12000 8.7 27.3 38. 12000 8.7 27.3 38. 1200 10.0 31.3 42. 1200 10.0 31.3 42. 1200 10.1 32.7 44. 1200 13.3 40.0 52. 1300 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54. 1200 13.3 40.7 54.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.0 48. 1.3 54.	44.7 4	4.7 44.	7 44.	7 44.7	44.7	44.7	44.7	44.7	44.7
12000 8.7 26.0 34. 2000 8.7 27.3 38. 2000 8.7 27.3 38. 2000 9.3 30.0 40. 2000 10.0 31.3 42. 2000 10.0 31.3 42. 2000 10.0 31.3 42. 2000 10.0 31.3 42. 2000 13.3 40.0 52. 2000 13.3 40.0 54. 2000 13.3 40.0 54. 2000 13.3 40.0 54. 200 50.0 50.0 50.0 50.0 200 50.0 50.0 50.0 50.0 200 50.0 50.0 50.0 50.0 50.0 200 50.	7 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.3 54.	47.3 4	7.3 47	3 47.	3 47.3	47.3		47.3	47.3	47.3
2000 8.7 27.3 38. 2000 9.3 30.0 40. 2000 9.3 30.0 40. 2000 10.0 31.3 42. 2000 10.0 31.3 42. 2000 10.0 31.3 42. 2000 10.0 31.3 42. 2000 13.3 40.0 52. 2000 13.3 40.7 54. 200 13.3 40.7 54.	0 44 0 7 46 7 7 47 3 0 49 3	1.3 54.	46.3 4	9.3 49.	€ 46.	3 49.3	49.3	6.64	66.3	49.3	49.3
2000 8.7 27.3 38. 5000 9.3 30.0 40. 5000 10.0 31.3 42. 5000 10.0 31.3 42. 5000 10.7 32.7 44. 5000 10.7 32.7 44. 5000 13.3 40.0 52. 5000 13.3 40.7 54. 500 13.3 40.7 54.	7 44 0 7 47 3 7 47 3 7 67 3 7 67 3 7 67 3	1.3 54.	5.3 5	6.0 56.	56.	56.	56.0		0	9	56.0
2000 9.3 30.0 40. 6000 10.0 31.3 42. 4300 10.0 31.3 42. 4300 10.7 32.7 44. 3300 10.7 32.7 44. 3300 10.3 32.3 45. 3300 13.3 40.0 52. 3300 13.3 40.7 54. 500 13.3 40.7 54.	.7 46.7 .7 47.3 .0 49.3	4 7 60		0	56.				0	56.0	56.0
2500 10.0 31.3 42. 2500 10.0 31.3 42. 2500 10.7 32.7 44. 2500 13.3 40.0 52. 2500 13.3 40.7 54. 2500 13.3 40.7 54.	.0 49.3		60.7 6	.3 6	61.	61.	-		.3	-	61.3
5000 10.0 31.3 42. 4500 10.7 32.0 43. 4500 10.7 32.7 44. 4500 10.7 32.7 44. 3300 11.3 33.3 45. 2500 13.3 40.0 52. 1300 13.3 40.0 52. 1300 13.3 40.0 54. 1500 13.3 40.0 54. 1500 13.3 40.7 54. 500 13.3 40.7 54. 500 13.3 40.7 54. 500 13.3 40.7 54. 500 13.3 40.7 54. 500 13.3 40.7 54. 500 13.3 40.7 54. 500 13.3 40.7 54. 500 13.3 40.7 54. 500 13.3 40.7 54. 50.7	.7 50.0	15.3 58.7	61.3 6	9 0.	62.	62.			2.0	62.0	62.0
2500 10.0 31.3 42. 4500 10.7 32.0 49. 3500 11.3 33.3 45. 2500 13.3 40.0 52. 13.3 40.0 52. 13.3 40.0 52. 13.3 40.0 52. 13.3 40.7 54. 500 13.3 40.7 54.	.7 50.0	7.3 6	.3 6		3	0.49 0	0.49	0.49	0.49		
4500 10.7 32.0 49. 1500 10.7 32.7 44. 1500 13.3 40.0 52. 1500 13.3 40.0 52. 1500 13.3 40.0 52. 1500 13.3 40.7 54. 1500 13.3 40.7 54. 1500 13.3 40.7 54. 1500 13.3 40.7 54. 1500 13.3 40.7 54. 1500 13.3 40.7 54. 1500 13.3 40.7 54. 1500 13.3 40.7 54. 1500 13.3 40.7 54. 1500 13.3 40.7 54. 1500 13.3 40.7 54.		8.0 62.	5.3 6	0.0	.99	66.		0	0		0.99
2500 11.3 33.3 45. 2500 13.3 40.0 52. 2500 13.3 40.0 52. 1500 13.3 40.0 52. 1500 13.3 40.0 53. 1500 13.3 40.7 54. 1500 13.3 40.7 54.	.3 50.7	8.7 63.	9 0 9	.76	66.	66.	9		1.9	1.99	66.1
3500 11.3 33.3 45. 2500 13.3 40.0 52. 1800 13.3 40.0 52. 1800 13.3 40.0 53. 1900 13.3 40.7 54. 1900 13.3 40.7 54. 1900 13.3 40.7 54. 200 13.3 40.7 54.	.7 52.7 6	0.7 6	0.0	.77	70.	70.	ċ	-	1.	0	70.7
2500 13-3 38.7 50. 2500 13-3 40.0 52. 1500 13-3 40.0 52. 1500 13-3 40.7 54. 1500 13-3 40.7 54.	3.3	1.3 66.	0.77	.3	71.	71.				-	71.3
2500 13-3 40-0 52. 1800 13-3 40-0 52. 1800 13-3 40-0 53. 1900 13-3 40-7 54. 1900 13-3 40-7 54. 1900 13-3 40-7 54. 1900 13-3 40-7 54. 1900 13-3 40-7 54. 1900 13-3 40-7 54. 1900 13-3 40-7 54. 1900 13-3 40-7 54. 1900 13-3 40-7 54. 1900 13-3 40-7 54. 1900 13-3 40-7 54. 1900 13-3 40-7 54.	.7 59.3 6	8	7.3 7	0			78.0			78.0	78.0
2000 13-3 40-0 52. 1300 13-3 40-0 53. 1300 13-3 40-7 54. 1000 13-3 40-7 54. 200 13-3 40-7 54.	.7 62.0 7	0.7 76.	0.7 8	.3 8	82.	82.	82.0	0	0		82.0
1800 13-3 40-0 53- 1300 13-3 40-7 54- 1000 13-3 40-7 54- 900 13-3 40-7 54-	0		2.0 8	20		•	3	0	84.0	84.0	84.0
1300 13-3 40-7 54- 1200 13-3 40-7 54- 900 13-3 40-7 54-	.3 62.7 7		3.3 8	4.0 84.	84.	84.	84.7		5.3	85.3	85.3
1200 13-3 40-7 54- 900 13-3 40-7 54-	0.49	3.3 81.		. 3		89.	86.3	0.0	0	0.06	0.06
1000 13.3 40.7 54. 900 13.3 40.7 54. 100 13.3 40.7 54. 900 13.3 40.7 54. 900 13.3 40.7 54. 900 13.3 40.7 54. 900 13.3 40.7 54.	.0 64.0 7	3.3 81.3	86.7 8	7.3 88.	89.	3 91.3	61.3	-	0.	-	0.26
900 13-3 40-7 54. 700 13-3 40-7 54. 900 13-3 40-7 54. 900 13-3 40-7 54. 900 13-3 40-7 54.	0	2	6.0		92.	94.	1.46	5.3	5.3	5.3	95.3
200 13.3 40.7 54. 200 13.3 40.7 54. 200 13.3 40.7 54. 200 13.3 40.7 54. 200 13.3 40.7 54.			.7 9	.3 9	.E6	3 95.3	95.3	0	0	0.96	0.96
200 13-3 40-7 54- 200 13-3 40-7 54- 200 13-3 40-7 54- 300 13-3 40-7 54- 300 13-3 40-7 54-	.0 64.7 7	.3 8	6 0.0	. 7 9		7.	97.3	8.0	8.0		98.0
300 13.3 40.7 54. 400 13.3 40.7 54. 300 13.3 40.7 54.	.0 64.7 7		60.	2.7 93.	94.	7 97.3	61.3	-	0	0.86	98.0
300 13.3 40.7 54. 300 13.3 40.7 54.	.0 64.7 7	5.3 83.3	6 0.0		_	7 97.3	97.3	8.0	8.0	0.86	98.0
300 13.3 40.7 54.	.0 64.7 7	5.3 83.3		3.3 94.	95.	3 98.7	48.7	-	+	-	99.3
300 13.3 40.7 54.	.0 64.7 7	0.	0		96		99.31	-	0	0	00.00
	.0 64.7	0.48 0.0		4.0 94.		6.66 0	99.31	00.00	0.0	10.0	000
200 13.3 40.7 54.	.0 64.7 7		2.0	4.0 94.	7 96.0	0 99.3	99.31	0.0	0.0	10.0	
	.0 64.7 7	0.48 0.9	90.7 94	4.0 94.		0		00.00	00.00	10.00	0000
0 13.3 40.7	.0 64.7 7	0	1.0	4.0 94	. 9		99.31	00.00	00.00	10.00	

TOTAL NUMBER OF OBSERVATIONS

0

SMOS DIRNAVOCEANMET

5224

0

0

0

0

0

0

3

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUNIS JAPAN

10

0

0

Section States

0

0

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12 HOURS (1.5.7.) SUN HONTH

	0 Al	50.0 50.0	.7 5	51.3 51.3	52.7 52.7	54.7 54.7	60.7 60.7	60.7 60.7	•3 6	68.7 68.7		100	~	0	.00		0.0	84.0 84.0	0	0.06 0.06	.7 9	94.7 94.7	0.86 0.86	99.3 99.3	66.3 66.3	99.3 99.3	00.0010.00	00.0010.00	00000000	00.0010.00	0.0010.00	
	5/16	3 33.3	0	3 51.3	7 52.7	7 54.7	1 60.7	7 60.7	3 67.3	7 68.7	6	0 12.0	_	•	0.97 0	8	00		0.480				8		6	3 99.3	0100.010	10.0010	0100.01	10.0010	1000010	4
	N N	3 33	2	.3 51.	.7 52.	7 84.	.7 60.	.7 60.	.3 67.	.7 68.	9	-	0 72.	76.	0 76.	78.	80.	;	0 84.	0 90.	.7 90.	. 7 94.	0 98.	3 99.	6	3 99.	100	100		0100	0010	
	* 11	1.3 33	. 1 .	.3 51.	.7 52	.7 54	09 / 0	1.7 60	.3 6	.76	.3 6	.0 7		0.	0.	-0.	80.	0	.0 84	0	.79	1.	86 0.	.3	.3	.3 99.	.00100	0.	00100	.0010.	00100	
	AI -	33.3 33	0.7 5	51.3 51	52.7 52	.7 5	20.7 60	20.7 60	7.3 6	•	. 6	2.0 7	72.0 72	6.0 7	6.0 7		0.0			6.3	6	33.3 94	6.1 9	8.0 9	8.09		8	2000			98.0100	
VISIBILITY (STATUTE MILES)	VI 7.	33.3 3	0.7	51.3	52.7	54.7	60.7 6	60.7 6	.3	68.7 6	69.3 6	0	0	0.	76.0 7	0		0	0.4		8.7	92.0	94.7	94.7		6 4.7	64.7	94.7	6 4.1 9	94.7	94.7	-
ISIBILITY (ST	Y1 %	33.3	50	51.3	1 52.7	54.7	1 60.7	1 60.7		1 68.7	69	~		3 76.0	76.	-	-	0.48	8	1 88.7	1 88 7	0.26	1 . 46 1	1 94.7	1 94.7	1 94.7	1 94.7	1 94.7	1 94.7	1 94.7	1 94.7	
>	1 A	3 33.3	50.	7 50.7	3		0.09 0	0.09 0	9	0 68.0	•	7 71.3	7 71.3	0 75.3	75.	0 77.3	0 79.3	0 83.3	6 83 0	0 87.3	0 87.3	3 90.7	3 93.3	3 93.3	3 93.3	3 93.3	3 93.3	3 93.3	3 93.3	3 93.3	3 93.3	
	3 12 2%	33.		•	.0 52.	S	.0 60.	.0 60.	c	.7 68.		.3 70.	.3 70.	.7 74.	1 14.	.7 76.		.0 82.	.0 82.	.7 86.		.3 89	.3 91.	.3 91.	.3 91.	.3 91.	.3 91.	.3 91.	.3 91.	.3 91.	.3 91.	
	A1 ***	3.3 45	4	4.7 46	9.0 48	8.0 50	13.3 56	13.3 56	18.7 61	19.3 62	0.0	1.3 65	1.3 6	4.0 68	9 0 4	5.3 70	12 1.9	8.7 76	18.7 76	84 0.01	0.0 78	1.3 81	1.3 81	1.3 81	1.3 81	1.3 81	1,3 81	1.3 81	1.3 81	1.3 81	1.3 81	
	87	36.0 4	6.7	37.3 4	38.7 4	40.7	44.7	44.7	50.0	50.7		52.0 6		54.0 6	54.0 6	55.3 6	56.7 6	8.7	58.7 6	60.0	60.07	61.3	61.3	61.3	61.3	61.3 7	61.3	61.3	61.3	61.3 7	61.3	1
	41	19.3	30.	30.	31.	32.	36.		41.	42	42		42	4	4	45	46	48	48.	50.	30.	50.	50.	50.	50.	50.	50.		50.		50.	
	2	13.9	14.0	14.0	14.0	4	4	14.0	0	16.0	16.0	16.0	16.0	16.7	16.7	17.3	17.3	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	
CEILING	(FEET)	NO CEILING	V 18000	14000	> 14000	12000		0006	1	7000	1	2000		141	1	300	1	7000		V 1500		1 11		8		§ 1A1		9		141	901	

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUNI, JAPAN

73-77

NON

15 HOURS (LST.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	21	9 11	\$5 A1	71	e Al	> 21/2	7	VI 7/2	¥1 YI	- AI	% Al	* AI	V AI	≥ 5/16	VI 74	٨١
O CEILING	2	0	2.		0	7.	-		4.	7	-			7.		
N 20000	17.3	34.0	38.0	42.0	45.3	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
		4	8	45.0	45.3	0.94		0.95	0.94	46.0	0.94	46.0	0.04	46.0	0.95	46.0
16000	-	0.4			;	.0	46.7	•				•		0		
		5.3			8	49.3	6		6	0.	49.3	0			6	
12000		0.9			50.7	-	51.3	51.3	51.3	51.3	-	-	51.3	51.3	51.3	51.3
1	6	0.0						00		8	58.0	8	8	8	8	8
800		40.7	48.7	54.0	57.3	58.0	58.7	58.7	58.7	58.7	58.7	58.7		58.7		58.7
	6	3.3		oc.	2		3.	4	*	*			*	4	*	4
700		4.0		59.3		0.40	64.7	65.3	65.3	68.3	65.3	65.3		65.3	3	65.3
	0	4.0		0				5				3	65.3	5		5
2000	0			61.3		60.7	67.3	8	8	68.0		8		00		68.0
1	0	0.9		2			8	0	68.7	80	00	8	68.7	68.7	68.7	
900	2	6.6		0.99	71.3	72.0	73.3	74.0	3	74.0	4	4		•		74.0
	2	0.0					5	0				9	0		0	76.7
3000	*	4.0		2		78.0	79.3	0	0	ò	0		0	0	0	80.7
	*	5.3		4	79.3					*			84.0		•	
7 2000		6.9		75.3	0	83.3	5		-	87.3	-	87.3	-	-	-	-
	5	0.9		3	0	83.3	3			-	-		-	-		-
1500	5	6.7			81.3	4	87.3	0.06	0.06	0.06	0	0	0	ċ		0
	5	6.7			-			0		0	0	40.1		40.7		90.
1000	5	7.3		-	82.7	96.7			4	4		2	95.3	95.3	2	95.3
		7.3		77.3	82.7			93.3	4	64.7	0.96	0.96		96.0	0	96.0
8	3	7.3			82.7	86.7			7.46	10	9		.0	9	46.7	.96
	3	7.3		77.3			0			.0	97.3	97.3	97.3		•	97.
8	S	7.3		77.3	82.7	-	0		95.3					97.3	-	97.
88	5	7.3		77.3	82.7	87.3	0	0.46		8	100.0	100.0	0	00001	100.0	100
8		7.3		77.3		-	0	;	96.0		0			0	0	
88	25.3	7.3	70.0	77.3	82.7	87.3		0.46	96.0	0.86	0	0		100.0		
38	5	7.3		77.3	62.7	87.3	0	*		00	100.0		0	0	0	1001
80	25.3	57.3	70.07	77.3	82.7	87.3	7.06	0.46	0.96	0.86	0.001	0.001	100.00	100.0	10000	000
	,		•				3	•	•		3				2	

TOTAL NUMBER OF OBSERVATIONS

150

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNIS JAPAN

73-77

NO THOM

18 HOURS (1 S.T.)

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

IL'NG							VIS	VISIBILITY (STATUTE MILES)	TUTE MILE	(S)						
(EET)	2 1	۸I	١٨	AI	es Al	2 2%	AI	٧١ ٪	71	<u></u>	% Al	*	Z Al	≥ 5/16	N N	٨١
CEILING	-	4.	-	00	29.3	29.3	29.3	29.3			29.3	29.3	29.3	29.3	29.3	29.3
20000		5	39.3	41.3	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
18000	5	-	-	43.3	44.7	44.7	44.7	44.1	44.7	•	44.1	44.1	44.7	44.7	44.7	44.7
16000		-	41.3	43.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
14000			3.	45.3	46.7	46.7	46.7	46.7	46.7	46.7	46.1	46.7	40.7		46.7	46.7
12000		0	45.3	48.7	50.0		50.0	50.0	50.0	50.0	50.0	20.0	50.0	50.0	50.0	50.0
10001		5		54.0	55.3		56.0	86.0	•	56.0	50.0		20.0	56.0	56.0	56.0
000	-		52.0	55.3	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
8000	6	-	8	61.3	62.7	4	64.7			4	64.1	4		64.7		
200				64.0	96.0	68.0	0.89	0.89			68.0	68.0	68.0		68.0	68.0
4000	0		-;		8	0		0		·		0		0	•	
2000	20.7	55.3	64.0	69.0	70.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
1500	0	9		c		. 4		3		4		4		4.		
900	:	6		76.0	78.7	-				-	81.3		81.3		81.3	81.3
3500	=	6		76.7	79.3	2	2	2	2.	2		82.0				82.0
3000		-			82.7		85.3	65.3		9		85.3	3			85.3
2500	2	-		79.3		5				3	85.3	85.3	5		85.3	85.3
2000	2	0	75.3	81.3	84.7	-	88.0	0		0		2006		90.7	40.4	40.7
1800	2			81.3	84.7					ò	0	1006			2006	
1500	2	3	75.3	:		8		3		2		92.7				92.7
1200	2			81.3	84.7					3	•	93.3	93.3		93.3	
1000	2		75.3	82.0	85.3	88.7			3		3	95.3				
98	2.		75.3	82.0	85.3	88.7			•	*	0.96	0.96			0.96	96.0
800	2			82.0						;	-	0.86				
700	2	-	75.3	82.0	85.3				5	.0	•	1.86	48.7		40.00	98.7
909	2		100	82.0	85.3	88.7	0.06		95.3	•		7.86	98.7	98.7		98.7
200	2	3	75.3	82.0				93.3	95.3	•	1.86	66.3	66.3		66.3	99.3
400	~		75.3	82.0	85.3	88.7	0.06	-	95.3			66.3	99.3		99.3	99.3
300	2.		75.3	82.0	85.3			93.3	95.3		1.86	66.3	66.3	86.3	99.3	66.3
200	2	3	75.3	82.0	85.3		0.06	93.3	95.3		98.7	66.3	66.3		0.00	0.001
8	2		75.3	82.0	85.3	88.7		63.3	95.3	0.96		66.3	66.3	80.3	0000	0000
•	2.	63.3	75.3	82.0	85.3	88.7	0.06	63.3	95.3		98.7	99.3	66.3	86.66	0.00	0000

TOTAL NUMBER OF OBSERVATIONS

150

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNIS JAPAN

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (1.5.7.) SOL HOME

															-	
CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	5	٥ ٨١	S AI	4	e Al	≥ 2%	2 AI	¥2 Y1	71 7	Ā	% Al	*	Z Al	≥ 5/16	NI NI	٨١
NO CEILING		18.7	-	30.0	32.7	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.
		24.0	35		-	-	1	•	• •	42.0	2	2	2		5	42.
0009		24.7	36.	38.7	42.0		42.7	42.7	42.7	42.7		42.7	42.7	42.7		42.
> 14000		25.3	38.	40.7				44.7	44.7	44.7	*		44.7	44.7		**
1200		27.3	40.7	43.3	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	7	47.3	1.	47.3
		30.0	44.	48.0		52.7	3.	3		53.3	3	53.3		53.3	3	53.
000		30.0	44.7	48.7	52.0	53.3		54.0		4	;		54.0	54.0		54.
1		34.7	52.	57.3		_			3.	3			3.	63.3	3	-
141		34.7	52.0	57.3	61.3	62.7	63.3	63.3	63.3	63.3		63.3		63.3	63.3	63.3
1		36.7	54.	60.7		66.7	-		1.	67.3	-					
2000		36.7	54.0	60.7	66.0	67.3		8		68.0	8		8			68.
1		39.3		65.3		2	2.		2.	-	2	2		72.7	2	
141		40.7	59.3	68.0	74.7	76.0			76.7	76.7	;	76.7	76.7	76.7	;	76.
1		+1.		68.7		0	77.3		-	77.3	-		77.3			77.
300	.7	42.7			78.7	80.0			0		0		80.7	80.7		
1	1.3	*	*		3.	3					4.	84.7	84.7			84.
500	1.3	3	65.	76.0	84.0	85.3	86.7		87.3	87.3	87.3	87.3		87.3	87.3	87.
1	1.3	3	65		3	85.3	•	-		87.3		87.3	87.3	87.3		87.
98	1.3		65	76.7	84.7		-	•		88.0			88.0	88.0		
	1.3	3	65.	76.7		86.0	-		*	88.0			88.0	88.0	8	88.
141	1.3	4	65.3	76.7	86.0	88.7	91.3	92.7	92.7	7.46	1.46		94.7			
	1.3	44.0	10	76.7			-		2	94.7			4.7	94.7	*	. 56
8	1.3	44.		76.7	86.0	88.7	:	2		94.7			94.7	94.7		94.
	1.3	3		76.7	9	89.3	2			2.96			46.7	96.7	9	96.
8	1.3	**		76.7	86.0		2.	0.46		-			96.7		;	96
		44	9	76.7	0	89.3	2.	4.7	0	98.0			98.7	48.7	8	98.
141		4		76.7	86.0		2		96.0	200		66.3		866	6	99.
		4	0	76.7		89.3	2.	94.7	•	98.7	99.3		66.3			.66
8	1.3			76.7	86.0	89.3	2	4.7	96.0	7.86			99.3	86.66	0.00	00
	1.3	4	65.3	76.7	86.0	89.3	92.0	1.76	0.96	7.86	66.3	66.3	66.3	86.3	0.00	00
1 1	1.3	44.0	65.3	76.7		69.3	92.0	94.7	0.96	98.7	66.3	66.3	99.3	99.3	00001	00

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TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

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ALL HOURS (L S T.)

F OCCURRENCE	(VATIONS)
PERCENTAGE FREQUENCY OF OCCURRENC	FROM HOURLY OBSERVATIONS
PERCENTAGE	(FROM

	٨١	33.9	45.3	62.6	46.3		50.3	56.8	57.8	63.6	6.49	66.3	0.89	69.7	75.1	76.3	19.8	83.1	86.5	86.9	1.06	91.0	8.46	92.6	8.96	97.3	98.1	99.5	1.66	8.66	0.00	0.00	00.00
	NI N	33.9	3	42.9	.3	1.8	6.0	80	7.8	3.9	6.4	.3	0	4.4		6.3	00	7	.5	6.	1.06	0	. 8	9.	8	.3	7.			8	0.0	10.0	10.00
	≥ 5/16	33.9		3		8.1.		56.8			6.99					76.3					1006					87.3		60.66	2.66			18.66	6
	Z Al	33.9		42.9	.3	8./	0.3	-	7.8	•	4.9	6.9	8.0	4.6	7	6.3	8.6	~	6.5	6.9	7	1.0	4.8	2.6		6.1	8.0	4.6	9.6	4.4		1.66	1.66
	*	33.9	•		;			•	-	3.	•	•			ŝ	9			86.4		0.06	0			9	-	:	0		0			6
	% Al	33.9	2	3	•	47.8	50.3	•		•	*	;			75.1		6				0.06	0	;	95.5	. 9	2.16	-			5.66	•	66.8	•
S	-	33.8	2	•		-	50.5	9		63.8	*	9	-		14.9	9	6	2	86.2	.9	89.5	ċ	93.5	;	95.2	-	•	-			97.4	4	
VISIBILITY (STATUTE MILES)	7 1%	33.8		•		-	•		57.6			9	67.8	6	74.7	5	6		3				3		3	•	3		95.0	95.1		1.56	95.1
BILITY (STA	V 1%	3	45.3	45.8				9		3.	64.8	0	7.	6		5	19.3	2.	3	0	88.5	8	-	2				93.8		0.46		0.46	
VISI	1 2	3.	45.5	•	46.1		50.1		1.	63.5			67.6		74.3			-	4	:	86.9	-		.0		0	:	-	91.3	61.3	1:	91.3	91.3
	Y 2%	33.8	*		45.8			56.0	. 9	2		5		00	2.	4	1.	c	2	2	84.6		.0	. 9	•		-	-			7.	87.6	
	8 1	32.9	3		44.8	46.3	48.7	54.5	3	•	61.8		9.40	9	70.3	-	;	-	6	6	80.4	0	-		:		82.1	2			2.	82.3	
	AI AI	31.1	41.2		3	*		-	52.0		57.8	8	0	-	*	30		0	2	2	73.2	3		50			73.8		73.8		73.8	73.8	•
	S AI					•			45.3		50.4		•						•		62.0		•	•	•		•		63.0		63.0	63.0	•
	o Al		-	-																	47.3			47.4	47.4	4.7.4	47.4	47.4		47.4	47.4	47.4	47.4
	0 41				7.8										8.6	0		0		-		-		-	•		-	-	-	-	11.2		-
CEILING	(FEET)	NO CEILING	N 20000		14000		12000	1 -	000	1	141	1	2000	1	1 41	1	300	1	7000	1	141	1	1 11		8		8		141		1 A I	8	1

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TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

73-77

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				PERCE (PERCENTAGE (FROM	-	_	P. S.	OBSERVATIONS	OCCURRENCE ATIONS)					\$ 13 SUNON	113
CEILING							VIS	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2 1	o Al	49 Al	7 4	e Al	> 2%	2 4	¥1 Y	71 71	Ā	% Al	*	Z AI	≥ 5/16	7 1	٨١
NO CEILING		26.5	32.9	38.1	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
	•	. 0	300	4 6 7	46.5	46.5	40.0	7.4	47	•	•	47.	47	7.2	47.	7.4.7
9009	10.		36.8	42.6	46.5	46.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
		6	38.1	43.9	47.7	47.7	48.4	48.4	48.4	48.4	48.4	48.4	4.84	48.4	48.4	48.4
≥ 12000	1.9	6	38.1	44.5	48.4	48.4	49.7	49.7	49.7	49.7	48.7	49.7	49.7		49.7	49.7
V 10000	1.9	3		51.6	5.	•	.9	•	. 9	•	•	80.95	•	. 9	56.8	56.8
	1.9	33.6	44.5	51.6	55.5	55.5	56.8	\$6.8	56.8	56.8	26.8	56.8	26.8	56.8	26.8	56.8
			49.7	58.7	62.6	9.29	6.69	63.9	63.9	63.9	•	63.9	3.	63.9	63.9	63.9
> 7000	2.6	40.0	51.6	60.7	64.5	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
				60.7	64.5	64.5	65.8	65.8		65.8		65.8	8.59	65.8	65.8	65.8
2000	2.6	-		63.2	67.1	67.1		68.4	68.4	68.4	4.89	68.4	68.4	4.89	68.4	4.99
				64.5	4.89	68.4		69.7	2.69	69.7	69.7	69.7	69.7	69.7	69.7	69.7
1 41		44.5		69.7	73.6	73.6	74.8	74.8	74.8	74.8	74.8	74.8	14.8	74.8	74.8	74.8
1		46.5	1.09	72.3	76.8	76.8	78.1	78.1	78.1	78.1	78.1		78.1			
3000	3.2			77.4	83.9	83.9	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
1		2	67.7	81.9		88.4	8.06	90.3	90.3	91.0	•	91.0	91.0	0116	-	
7 2000			68.4	83.2	90.3	90.3	92.3	92.3	92.3		5	95.9	6.26	92.9	95.9	95.9
		82.9	68.4	83.2	90.3	90.3	65.6	65.6	92.9	93.6		93.6	93.6	93.6	3	93.6
1500	3.9	2	4.89	83.2		91.6	2.56	94.2	9 6	95.5	3	95.5	95.5	95.5	5	95.5
	3.9	52.9	68.4	83.2	65.3		95.5	95.5	96.1		8.96	8 . 96	8.96			96.8
VI 000			68.4		92.3	92.3	1.96	96.8	97.4	98.1	98.1	1.86	1.86	98.1	98.1	98.1
	•	6.55	4.89	83.2	2.	2.	8.96	97.4	98.1	98.7		1.86	18.1	98.7		48.7
00 Al	•	3	68.4	83.2	65.6	92.9	8.96	98.1	98.7	4.66		4.66	4.66	4.66	4.66	4.66
	3.9	2	68.4	83.2	65.6		8.96	98.1	48.7	4.66		4.66				\$.66
9		2	4.89	83.2	92.9	92.9	96.8	98.1	68.7	4.66	4.66	4.66	4.66	4.66	4.66	30.66
	3.9			6.68	3.	93.6	4.16	98.7		0	0		0.00	0000	0	0.00
N 40		*	69.0	83.9	93.6	93.6	97.4	98.7	4.66	0.001	0	0	0		0	0000
38	3.9			83.9	3	3	4.26	98.7		0		00.00	0		0	0.00
	•	3	0.60	83.9	93.6	93.0	97.4	1.86	99.4		0	00.00	0		6	
8	9.0	53.6	0.00	63.0	93.6	93.0	97.4	96.7	4.66	000	0.00	000	000	000	000	000
	•	9	•	0300		0	7/04			5		2	2		5	

TOTAL NUMBER OF OBSERVATIONS

155

0

0

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

03 HOURS (1 S T.) TON HONTE

RENCE	
PERCENTAGE FREQUENCY OF OCCURRENC	(FROM HOURLY OBSERVATIONS

CEILING							VIS	IBILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	0 41	9	S) AI	4	6 41	≥ 2%	N AI	V 1%	¥1 ¥1	-	N AI	*	N Z	2 5/16	N AI	NI NI
NO CEILING	1.9	24.5	0			60	8	38.7	8.	00	38.7	38.7	8.		8	38.7
> 20000	1.9		35.5	41.9	44.5	44.5		44.5			44.5	44.5	44.5	44.5		44.5
	1.9	28.4		•	45.8		3	45.8	S	3.		45.8	5		5	45.8
≥ 16000	1.9	28.4		43.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
	1.9	29.0	38.7	•		47.7	1.	47.7							-	47.7
≥ 12000	1.9	6	39.4	46.8	0.64	0.64	6	0.65	6	0.64		6	6	49.0	0.64	49.0
	1.9	32.9	3	51.0	*		*	*			*	•		*	4	-
0006 X	1.9	32.9	43.2	51.0		24.5	. 4	54.5	•	;		*		*		54.2
	1.9	35.5			-	-	-	61.3	-	-	-	61.3	-		-	
2 7000	1.9	36.1	49.7	50.4	63.2		3.	63.2	3	63.2	3.				3.	63.2
	1.9	36.1	6	29.4	3	63.2	3.				3	63.2	3		3	63.2
2 3000	1.9	39.4	6.25	62.6	;	•	.9							9		66.5
	1.9	39.4	:	63.9	-		-			-	-		-	-	-	
1 4000	1.9	43.2	58.1		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
	1.9	44.5	60.7	74.2			8			8				8		
3000	1.0	46.5	95.0			-		82.6	8	2	2	82.6	2	2.	2.	82.6
> 2500	1.9	47.1	64.5			65.5	3.		30		5		5		85.8	85.8
	1.9	47.7	65.8	80.7		8			6		6			6		
VI 0081		47.7	65.8	-	1.	-	6	8006	0	ċ	0	800.3	0	ċ	0	90.3
	1.9	48.4	67.1			-		95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	
× 1200	1.9	48.4	67.1		6	91.0	2.		3	2	2		2	2.	2	
	1.9	48.4	67.1	2	6		5.		. 9		;	1.96	•	•	;	96.1
906 AI		48.4	67.1		0	65.6	. 4	-	4.16	97.4		97.4	4.16		:	97.4
	1.9	48.4	67.1	2	0	5.	*	4.16	_		4.16	97.4	-	-	-	97.4
	1.9	48.4	67.1	82.6	0		;			98.1	8	1.86	8	98.1	8	98.1
009	1.9	48.4	67.1		-	3		7.86		-	4.66	4.66	4.66	4.66	4.66	4.66
	1.9	0.65	67.7	83.2	:	2.96	9		4.66	4.66	100.0	00.00	0	100.001	0	0000
1 400	1.9	0.64	67.7	83.2	-	4		4.66		4.66		00.00	0	•	0000	0000
300	1.9	9 0.65	67.7	83.2	91.6	24.5	96.1	4.66	4.66	4.66	0	0.00	0.00	100.0	0.001	0000
1 30	1.9	0.64	1010	83.2	-	34.5		3.66	4.66	4.66	100.0	00.00	0000	100.00	00.00	0000
VI 8	1.9	0.65	10	83.2	91.6	2.46	96.1	3.66	4.66	4.66	100.0	00.00	0.001	100.00	00.00	0.00
	1.9	0.64	1010	83.2	-	24.5	96.1	4.66	4.66	4.66	0.001	000	00.00	100.0	0000	00.0

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TOTAL NUMBER OF OBSERVATIONS

155

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100

155

TOTAL NUMBER OF OBSERVATIONS

5703 CEILING VERSUS VISIBILITY JAN 7

CEILING VERSUS VISIBILITY NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

06 HOURS (1 S T.) JUL

200

CEILING							VISI	IBILITY (ST	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	5	9 11	S) Al	41	AI AI	2 2%	2 2	¥1 ¥	¥1 VI	- AI	× Al	*	Z AI	≥ 5/16	N AI	0 11
NO CEILING	5.8			. 6	-		32.9	32.9	2		2			2.		
¥ 20000	5.8		3	32.3	34.8	*	100	36.1	36.1	36.1	36.1	36.1	36.1	36.1		36.1
	5.8		2	2.	. 4		36.1	36.1			•	36.1		9		36.1
00091 ₹	5.8		25.8	32.3	34.8	38.5	36.1	36.1	36.1	36.1	36.1	36.1	36.1		36.1	36.1
			5	•	•	35.5	36.1	36.1	36.1	9			36.1	•	36.1	
> 12000	8.8		-	34.2	37.4	38.1	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
			31.6	6		44.5		45.8	•	45.8	•	2.	45.8	5.	45.8	
0006 X	5.8		-	39.4	43.9	44.5	45.8	45.8	45.8		45.8			45.8	3	45.8
						2.	*	*	•	3	54.	54.2		*	*	54.2
7000	6.5	32.9	40.0	51.0	56.1		58.7			58.7	58.		58.7	58.7		58.7
	6.5		0	-		57.4	58.7	58.7	8	8	58.			8	58.7	
2000	7.1		41.9	53.6	58.7	0	6.19	-	61.9			2	62.6	62.6	62.6	62.6
	7.7	36.1	3	•	0	-	3			3.						
4000	7.7	0.04	-	59.4	65.2	66.5	68.4	68.4	68.4	68.4		0.69		•	0.69	69.0
	7.7	40.7		-	8	ò		72.3	72.3	2		2.			72.9	
3000		43.9	2	-	73.6	*	76.8	78.1	78.7	78.7			79.4		•	
1	6.0	47.1	5	0.69	77.4	0	-		*	:	85.2	85.2		5.	5	
1 2000		4	56.8	ò		81.9		85.8	86.5		7.		87.7	87.7	87.7	87.7
	0.6	.84	•			81.9	83.9	5		-			88.4	80	•	88.4
> 1500		-	2	72.3	-	4	-	6	0	-	2	92.3	5.	2	2	
	0.6		58.1			86.5	•			84.2	95.5		~			95.5
V 1000		49.	58.7	73.6	3	-	91.6	3.		3			•		•	
8 AI		49.7	58.7	73.6	83.2	87.1	•	;		96.1	97.4	-	97.4		•	97.4
		4	58.7	74.2	3	87.7	92.3		3.	÷	8	1.86	8	8	1.86	
	•	46.1	58.7	74.2	83.9	87.7		8.96	95.5			1.86		98.1	8	1.86
9	9.0	4	58.7	74.2	3	87.7			5	•	7.86	6	4.66		4.66	
900	0.6	4	58.7	74.2	83.9	87.7	2		5.	4.16	90.4	0	0	0		0000
	0.6	*	58.7	74.2	3.	87.7	2.					00.00		10000	00.00	
38	0.6	49.7	58.7	74.2	83.9	87.7	92.3	8.46	95.5	97.4	4.66	0	10000	0	00.00	
1 200	0.6	49.7	58.7	74.2	83.9	87.7	92.3		95.3	97.4	4.66			0	00.00	00.00
8	9.0		58.7	74.2	83.9	87.7	92.3	8.46	95.5	97.4	14.66	00.00	0000	100001	00.00	0000
	•	49.7	58.7	74.2	83.9	07.7	92.3	8.46	95.5	97.4	4.66	0000	00.00	100.001	00.00	0000

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUNIS JAPAN

60

	ERCENTAGE FREQUENCY OF OCCURRENCE	(FROM HOURLY OBSERVATIONS)
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CEILING							VISI	IBILITY (ST.	VISIBILITY (STATUTE MILES	ES)						
(FEET)	7	9	8 41	4	e Al	≥ 2%	7	٧١ ٧	71 71	-	% Al	*	% Al	≥ 5/16	NI N	0 1
NO CEILING	*		26.5	29.7	32.9	32.9		35.5	5	35.5	35.5	35.5			35.5	35.5
₹ 20000	3.	22.6	6	32.3		37.4	39.4	40.0	40.0			•	40.0			40.0
				32.3	36.8	•	39.4	40.0		40.0	40.0	40.0	0.04	0.04	0.04	40.0
≥ 16000	5.2		6	32.3		37.4			40.0	40.0						40.0
		22.6	6	32.3	36.8	37.4	•	0.04	•		40.0	40.0	40.0	40.0	0.04	40.0
× 12000			-	34.8	39.4	40.0	41.9	•			•	45.6		•	45.6	45.6
	8.4			45.6	47.1			50.3		50.3	0		50.3		50.3	50.3
000 AI	4.0	29.7	38.1	45.0	47.7	49.0	51.0	51.6	51.6	100	51.6	51.6	51.6	51.6	51.6	51.6
			41.3	46.5	52.9	•	•	57.4			57.4		57.4			57.4
7000	6.0	_	43.2	0.64		57.4	59.4	0.09	•	0.00	0.09	0	0			0.09
		33.	3.	6	55.5			0	0	•	0.09	0.09				0.09
2000		35.	3	51.6		0		•	3		3	•	3	3		63.2
	0.6	36.	9		58.7	0	3	3	*	4	*	04.5	*			64.5
1 4000		÷1.	2.	58.7		6	71.6		2.	72.9		3	2	2		72.9
		43.	3	60.7	67.7		3	74.2		•			4	*		
3000	11.0		56.1	64.5		75.5		6	80.0	ò	80.7	80.7	80.7	0	80.7	80.7
	•	47.	8	67.1	75.5	8		83.9	•	•	5	85.8	85.8	85.8	85.8	85.8
> 2000	:		0	6	•	-	86.5			6	6	6	6	6		
	11.0		.0	0.69		81.3	9	87.1			89.0	89.0	89.0		89.0	89.0
1 1 200	-		3	:		4	.6		-			92.3	5.			
1200	11.6	51.	5.	71.6	81.3	84.5	6	90.3	91.6	•	92.3	92.3		•	95.3	92.3
VI 000	-	51.	3	72.9		9.	2.			-	4.76				97.4	
8	11.6	51.	•	72.9	85.6	86.5			96.8	*	98.1	1.86	98.1	98.1	98.1	98.1
	-	51.	3	72.9		9	5				98.1	98.1		98.1	98.1	98.1
70	11.6		63.2	72.9	82.6	86.5				98.7	98.7	98.7		98.7	98.7	98.7
8 AI	11.6		3	73.6	3	87.1		95.5			0	0	0	0	00.00	.00.0
8	•	51.6	3.	73.6	100	87.1		62.5	98.1	10000	0	0	0	100.0	0000	0.00
N 49	11.6	51.6	3	73.6	83.2	87.1		95.5			100.001	0.00		0	100.00	00.00
8	11.6	51.6	63.5	73.6		87.1	93.6	95.5	98.1		100.001	-	0.001	.0	0.001	0.00
1	11.6	51.6	3	13.6	3	47.1		95.5	98.1	•	0.001	ċ	0	0	00.00	0000
VI 8	11.6	51.6	3	73.6		87.1	93.6	95.5		•	•	0.001	0	10000	00001	0.00
	11.6	51.6	63.5	73.6	83.2	87.1	93.6	95.5	98.11	0.00	100.0	0.00	100.0	100.00	0000	000

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUNI, JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

JOL HAND

12 HOURS (1 S.T.)

0

CEILING							VISI	IBILITY (SF.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	o Al	8	7	S AI	≥ 2%	2 AI	VI 41	¥1 VI	71	*	# AI	Z AI	≥ 5/16	VI N	٨١
O CEILING		3.		30.3	34.2	35.5	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 20000		6	36.1	36.1		6.14	•	43.2	43.2		43.2	43.2	43.2	43.2	_	43.2
		6		36.8	40.7	45.6	43.9	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.	43.9
7 16000	12.3	29.7	36.8	36.8	40.7	45.6	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.	43.9
		-		38.1	41.9	43.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
12000		2	40.7	40.7	44.5	46.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
-		6	49.0	4.65	53.6	55.5	56.8	80.6	8.95	56.8	8.99	56.8	80.9	56.8	86.8	56.8
> 9000	;	39.4	0.64	49.7	53.6	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
		2	52.9	54.2	58.7	61.3	63.2	63.2		63.2	•	63.2	63.2	63.2	63.	63.2
7000		3	53.6	54.8	0.09	63.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
	5		53.6	54.8	0.09	63.2		65.2		65.2	•		65.2		65.	65.2
2000		45.2	55.5	56.8	65.6		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	1 67.7	67.7
	9	5	55.3		62.6	5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.1	67.7	67.7
7 4000		-	59.4	60.7	-	70.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
	8		61.9		69.7	100		75.5	75.5	75.5		75.5	75.5	75.5		
3000	6		58.4	71.0			83.9		84.5		•	84.5	84.5	84.9	•	
	0	0	75.5	78.1	84.5	89.7		65.6	65.6	92.9	6.26	92.9	6.76	92.9	92.	92.9
7 2000	0		78.1		87.1	92.3	95.5	1.96	96.1		1.96		96.1	96.1	96.1	96.1
	0	2	78.1		87.1	92.3		1.96		96.1				96.1		96.1
≥ 1500	0		19.4	85.6	89.0	84.5	98.1		7.86	7.86	7.86	7.86	98.7	98.7	•	98.7
2 1200	0	3.	19.4	95.6	89.0	34.2		-	4.66	4.66	4.66	4.66	4.66	99.4	4.66	9.66
1000	0	3	19.4	83.5		4	98.7	4.66	100.00	00.00	00.00		00.00	100.0	-	100.0
8	0	3	19.4			8.46	98.7		100.001	100.00	00.00		0.001	.0	10000	1000
	0	3.	19.4	83.2				4.66	100.00	100.00	00.00	•	00.00	0000	100.0	0000
700	0		19.4		89.7	*		4.66	100.001	00.00	00.00	0	0.001	0	10000	0.001
8	0	3	19.4		89.7	94.8	98.7	99.4	100.001	100.00	00.00	00.00	100.00	1000	10000	100.0
200		3	19.4	83.2	89.7	. ,	1.86		10.001	00.00	00.00	00.00		0.001	10000	0.001
	0		19.4	83.5	89.7		98.7	4.66	100.001	00.00	•		00.00	0	10000	100.0
300		0	10.4	83.2	1.68		68.7	4.66			0		0	0000	100	0.001
	0	3	4061	83.5	- 1	24.8	98.7	4.66	100.001	0	00.00	0	00.00	0	100	
8	20.0		19.4	23	39.7	8 . 4 .		4.66		ċ	0	000	•		0	
1	3		*	2000	03.1	0.4	78.	77.4	0.001	00.00	000	000	0000	00.0	0001	0001

0

0

DIRNAVOCEANMET

SWOS

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUNIS JAPAN

43324

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15 HOURS (LST.) JUL HONTE

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES						
(100)	2	o Al	\$ 1	4	N AI	1 2%	N Al	77 77	¥1	Ā	% Al	* Al	X X	≥ 5/16	× AI	٨١
NO CEILING	3.	9		32.9	36.1	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36
N 20000			41.3	43.9	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47
	16.8	34.2	41.3	43.9	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47
V 16000		;	41.3	43.9	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47
> 14000		5	43.2	45.8	0.65		1.65	49.7		49.7	6		49.7			49
> 12000			45.8	48.4	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52
		~	53.6		1.09	61.3	61.3	-	61.3	61.3			:	61.3	•	19
0006	20.7	45.6	53.6	8.95	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	19
1			8		65.2			5				65.8	5	65.	65.8	65
7000	23.2		61.3	64.5		0.69	0.69	0.69	0.69	69.0	6		0.69	0		69
1	1 .	6	-		0.69				10.3	0			70.3	0		70
900		2	65.8	69.7	-	74.2	74.8	74.8	74.8	74.8		74.8	74.8	-	74.8	74
		4	-		75.5							76.8	76.8	9		76
1 1		61.9	77.4	81.3	•	86.5	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87
1		-	7.	81.3				-	-		87.7		87.7	7	-	87
3000		6	80.7	84.5		89.7		91.0	91.0	91.6	91.6	91.6	91.6	91.6		16
		5	3.	87.1	91.6		4									
7000			85.2	89.7	94.2	95.5	4.16	-	4.16	98.1		98.1		98.1	98.1	98
		.9	5	89.7	2.46	95.5	4.16	97.4	4.16	98.1				98.1	98.1	98
1500		-	85.8	6.06		96.1	9		48.7		4.66	4.66		4.66		66
		7	5	6.06	8.46			98.7	7.86	4.66		4.66			4.66	66
000		-	5	80.3		96.1	7.86					4.66	4.66	4.66	4.66	66
		67.1	85.8	8.06	8.46	1.96		48.7		4.66		4.66	40.66		4.66	66
008		67.1		8.06	8.76	96.1	7.86	98.7	28.4			4.66	4.66		4.66	66
		67.1				1.96		4.66		0000	100.0	•	0	100.0	0.001	001
8		67.1	85.8	80.3	8.46	96.1	7.86		4.66	0.001		10000		100.0		100
		67.1		6.06		96.1	7.86	4.66	4.66		100.0	0.001	100.0	•	0.001	100
8			•	80.3	8.46	96.1	7.86		4.66					ċ	0	100
		67.1	85.8	8006	*	1.96	1.86	7.66	4.66	0000	100.0	•	0	100.0	00001	001
30				90.3	8.46	96.1	7.86	4.66	4.66	00001	•	100.0	100.0	•	0.001	100
8	35.9	67.1	85.8	6.06		1.96	1.86	5.66	4.66	•		0.001	0.001	•	0000	100
0 4	•	67.1	85.8	90.3	8.46	1.96	1.86	4.66	4.66	0000	100.0	1000	100.0	100.0	0000	8

TOTAL NUMBER OF OBSERVATIONS

155

0

0

0

0

0

0

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.8 HOURS (1.5.7.) JUL

CEILING							VIS	IBILITY (SI	VISIBILITY (STATUTE MILES)	LES)						
(FEET)	2	٥ ٨١	8 41	41	E AI	2 2%	7	VI 71	Y1 %	<u></u>	NI X	* 1	VI Z	2 5/16	× Al	0 11
NO CEILING	11.0	28.	32.9	36.1	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4		36.	41.3	45.2	46.5	46.5	•. •	40.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
	10	38.	43.2	47.1	48.4	4 4	48.4	48.4	48.4	•	4 K	48.4	48.4	48.4		48.4
	0	6,0	55.5	59.4	600.7	600-7	2009		60.7	60.7	60.	00	60.7	60.7	60.7	2009
	21.9	53.6	61.3	65.2	67.1	67.1	67.1	67-1	67.1	67-1	00	-	67.1	67.1	-0	67.1
900 Al Al		58.	63.2	71.0		4	0 4	0.64		6 3	69.	-	0 .	6 4	6 4	
VI VI 4500	m +	60.	72.9	72.3	74.2	76.1	76.1	76.1			76.1	76.1	76.1		76.1	76.1
3000	*	63.		86.5	82.6	92.9		84.5		84.5	00	00	92.9	84.5		84.5
1 N I N I N I N I N I N I N I N I N I N	200	71.	85.5	90.3	94.2	96.8	96.8		96.8		00	96.8	96.8			
VIVI 0081		72.	85.8	91.6	95.5	98.1	98.1	98.1	98.1		98.1	98.1	98.1	98.7	98.1	
VIVI 1000		72.	85.8	91.6	95.5	98.1	100.00	98.7	100.00	10000	100.0	100.0	100.00	100.00	100.001	98.7
8 8 AI AI	90	72.	86.5	92.3	96.1	98.7	0.00	0000	100.00	100.0	100.0	100.0	100.0	100.00	00.00	00.00
88		72.	86.5	92.3	96.1	98.7	00.00	00.001	100.00	00	100.0	100.0	100.0	00		00.00
8 8 8 8	9 9	72.	36.5	92.3	96.1	98.7		00.00			0.001	100.0	100.00	100.00	100.001	00.00
88		72.	36.5	92.3	96.1	98.7	0.00	0.001	100.00	00	100.0	100.0	100.00	100.00	100.001	0.00
80	26.5	72.3	86.5	92.3	96.1	98.7	0.00	0000	100.001	100.0	100.0	100.0	100.0	100.00	100.001	00.0

TOTAL NUMBER OF OBSERVATIONS

135

SMOS DIRNAVOCEANMET

0

0

0

0

30

10

0

0

56.8

54.8

4.89 74.8

82.6

2.46

92.3

0

3

0

8.96

4.66

98.1

4.66

4.66

96.8

1.96

43.9

٨١

45.8 47.1 47.1

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

I WAKUNIS JAPAN

3

2.1 HOURS CL		N N N N N N N N N N N N N N N N N N N	43.9 43.	8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1 47 1 47	8 54.8 54.	63.9 63.9 63.9	.4 68.4 68.	.6 82.6 82.	.3 92.3 92.	.2 94.2 94.	.8 96.8 96. .8 96.8 96.	.1 98.1 98.	.4 99.4 99.	.66 4.66 4.	4000
ij,		Al X	43.9 43.	5.8 45.	47.1 47.1	54.8 54.8	0 4	74.8 74.8	77.4 77.4 82.6	.5 84.5	94.2 94.2	96.8 96.8	98.1 98.1	99.4 99.4	7.66 7.	
NCY OF OCCURRENCE OBSERVATIONS)	VISIBILITY (STATUTE MILES)	1 2 14 2	43.9 43.	5.8	47.1 47.	54.8 54.	3.9 63.	74.8 74.	82.6 82.	92.3 92.	2 94.2 94.	96.8 96.	.1 98.	.4 99.	4 .	
FREQUENCY OF HOURLY OBSERV	VISIBILITY	2% ≥ 2 ≥ 1%	9 43	4 4	1 47-1	8 54.8	7 68.4 68.	.6 74.8 7	.3 82.6 8	7 91.6 9	9 93.6 9.	6 96.1 9	6 97.4 9.	7.86 8.	6 7.86 8.	
PERCENTAGE FI		A1	6.1 37.	45.8	1.7	2 54.8 5	8 67.7 6	.6 73.6	7 31.3 8	.0 82.6 8 .8 89.7 8	.1 91.0 9	4 92.9 9	.4 92.9 9	4 92.9 9	.4 92.9 9	
ä		8 1 9 1	~ 0	737.4	+	.5 45.2	9 54 8	.0 54.8	.0 61.3	.5 71.0	.1 71.6 .8 72.3	.8 72.3	.8 72.3	.8 72.3	.8 72.3	
	97	0 1	1.9	200	2.0	9.0	00	90.	20	0.0	00	00	0.0	0.0	0.	
	CEILING		NO CEILING	00081 41 4			1	1			NIVI VIVI	VIVI	MAIN		Al	

TOTAL NUMBER OF OBSERVATIONS

155

9886

93.6 93.6 93.6

0.68

72.9

12.9

80

ALAI

88

ALAI

89.0 0.68

89.0

72.9

88

ALAI

72.9

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUMI, JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (LST.) JUL

828

CEILING (FEET)	9	A	\$5 A	1	- A	N 2%	V VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	6	* A	*	25	8/16	2ª A	0 A
NO CEILING	1:	13	7.66	33.6		.0			2		L.	•	1.			
¥ 20000	1.0		35.1	39.5	45.4		43.51	43.6	43.6	43.6	43.6	43.6	m	43.6	3	43.6
		6	35.7	40.1	43.0	43.5	0.74	44.1	44.1	44.1	44.1	44.1	44.1	44.1		44.1
16000		6	35.7	40.1	43.0	43.5		44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
				41.2	44.2	44.1	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
12000	8		38.5	43.1	46.1	46.6		47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
_		. 9		50.4	53.8	54.3	55.0	53.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
0006	9.5		45.3	50.7	54.1	54.8		55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
	0	6		56.5	60.3		62.0	62.1	62.1			62.1	2.	62.1	62.1	62.1
7000	10.4	-	52.2	59.0	63.1	64.0		6.49	6.49	6.49	6.49	6.49	6.49	6.49	64.9	6.49
	0	41.8			63.2	0.49	65.0	65.1	65.1	65.1	65.1	65.1	1.59	65.1	65.1	65.1
2000	11.5	;	55.2	62.5		67.7		0.69	•	0.69		69.1		69.1	1.69	69.1
	-			63.8	6.19		.0	70.3	0	70.4		70.5	70.5	70.5		70.5
4000		6		4.69	74.0	75.3		76.6		76.8	;	16.9	16.9	76.9	76.9	16.9
	2	0		71.6	76.4	77.8		79.3	79.4	4.64	26.64	79.5	79.5	79.5		79.5
3000	13.2	53.2		76.5	82.0	83.8	85.3	85.8		86.2	;	86.3		86.3	86.3	86.3
	3	5						3.06	90.5	4.06	8.06		0	8.06	8.06	8.06
≥ 2000		-		81.7	-			95.8	3	93.4		93.5	3		93.5	93.5
1800	13.6	57.0	71.5	81.8				93.1	63.3	93.6	3				93.8	
		-				-		62.3	5.		1.96		. 9	•	•	1.96
		2		82.9	6	92.1		1.96	96.5	8.96	6.96			6.96		
> 1000			72.7		90.5		96.1	97.3	7.			4.86	8	8	8	98.4
000		57.8		83.3	6.06	93.0		7.16	8	98.6	8	8.86	8.86	98.8	8	98.8
00 8	13.7	-		83.4	4.06	93.1		97.8	98.3	8.86	0.66	0.66	0.66	0.66	0.66	0.66
		57.8			4.06	93.1		0.86		0.66	6		6	0	2.66	3.66
8	3	-	72.7	83.5	9.06	93.2	8.96	98.2	48.7	66.3	9.66	1.66	1.66		4.66	49.7
	13.7			83.7	0	93.5		4.86	6	9.66	6		0	0000	100001	0.00
1400		58.1	72.9	83.7	8.06	93.5	97.0	4.86	0.66	9.66	16.66	10.00	00.00	0.00	100.00	0.00
		58.1		83.7	0	93.5	-	4.86	0	9.66	6	10.00	0		100.001	0.00
> 200	3.	58.1		83.7	90.6	93.5	0.76	4.86	0.66		16.66	00.00	0	0.00	100001	0.00
901	13.7	58.1		83.7	8.06	93.5	0.46		0.66	6	6			0.00	100.001	0.00
٥		58.1		83.7	8.06	93.5	0.46	4.86	0.66	9.66	66.66	00.00	00.00	0000	100.001	0.00

0

0

TOTAL NUMBER OF OBSERVATIONS

1240

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUNIS JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00 Nouns (1 5 7) AUG

	٨١	51.	58.	58.	60	61.	67.	67.	74.		14.	76.	78.	83.	87.	95.	96	96	96			66		66		66	66	66	00	.00	00	00
	× Al	51.6	58.7	58.7	0.09	61.3	67.1	67.1	74.2	74.2	74.2	76.1	78.1	83.2	87.1	6.26	1.96	96.8	96.8	1.86	186	4.66	4.66	4.66	4.66	4.66	99.4	4.66	00001	100.00	0.001	0000
	≥ 5/16	58.1	0	58.7	0.09	61.3	67.1	67.1	74.2		74.2		8	83.2	-	92.9	96.1	96.8	8.96	98.1	98.7	4.66	4.66	4.66	4.66	4.66	4.66	4.66		0.00	0	0.00
	% Al	51.6		58.7	0.09	61.3		67.1	*		74.2	76.1		3		5		96.8	8.96		48.7	4.66	4.66	4.66	4.66	4.66	4.66	4.66	0	00.00	•	00.00
	*	51.6	58.7	58.7	0.09	61.3		67.1		74.5	74.2	76.1	18.1	83.2	87.1	6.26	1.96	8.96		98.1	28.7	4.66	4.66	4.66	4.66	4.66	7.66	*	10.0		0	00.00
	* Al	51.6		.7	0.0	61.3	67.1	1.19	74.2	74.2	74.2	1.94		3.5	_	0	-:	8	20	-:	8.7	4.	4.6	4.	4.6	*	5.	4	0	0	0.0	00.00
(1	-	51.6		8.7	0.09	61.3	7.	67.1	4.2		74.2	1.97	8.1	.2	701	6.	6.1	8.96	8.0	98.1	2.86	4.66	4.6	4.	4.66	*	4.66	4	.0	0	10.0	00.00
TUTE MILES	¥1 ×1	51.6	8.7	8.7	0.0	1.3	7.1	7.1	.2	4.2	•		8.1	3.2	7.1	5.9	-	6.8	8	8.1	8.7	4.	4.6	4.	4.6	4.6	4.6	4.66	14.6	9.41	15.6	99.41
VISIBILITY (STATUTE MILES)	۲۱ کا ۱۲۸	51.6	8.7	8.7	0.09	m		67.1	. 2	2.42	. 2	7.	8.1	~		0	-:	8.96	æ	~		4.66	*	4.	4.66	4.	5.	4.	3.	4.6	7.6	4.66
VISIB	7	51.6		1.8	_	61.3	67.1	7.1	74.2	74.2	74.2	76.1		83.2	87.1	6.26		8.9	8.9	-	8.7	4.6	4.66	4	4.66	4.66	4.66	4.66	4.6	4.6	4.6	4.66
	2 2%	51.6	00	58.7	0.09	61.3		67.1	74.2	74.2	74.2	76.1	00	83.2	87.1	92.9	0	8.96		4.46	98.1	7.86	7.86	7.86	8.7	1.86		7.86		98.7		7.86
	8	51.6			0.09	61.3	67.1	67.1	74.2	74.2	74.2	76.1	8	83.2	-	6.26	0	8.96	8.96	4.16	98.1	1.86	1.86	7.86	1.86	1.86	1.86	1.86		28.1		7.86
	4	4 60	*	54.8	56.1	57.4	9.29	65.6	69.7	69.7	1.69	71.6	73.6	78.1	81.9	87.7	1.0	91.6	-	91.6	91.6	65.3	65.3	92.3	92.3	92.3	6.26	92.3		92.3	65.3	92.3
	\$ 41	43.2	6	0.65	6	50.3	54.2	54.5	:	61.3		63.2	•	4.89	72.3	76.8	78.7	78.7	78.7	78.7	78.7	19.4	4.61	19.4	19.4	19.4	19.4	19.4	19.4	19.4		19.4
	9	36.1			41.3	41.9	45.2	45.2	49.7	49.7	40.4	51.6	52.3	54.8	58.1	61.9	3	63.9	63.9	63.9	63.6	64.5	64.5	64.5	64.5	64.5	64.9	64.5	64.8	6.99		64.9
	2	E .	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	6.7	1.9	1.9	1.9	6.1	1.9	1.0	6.7	1.9	1.9	0	1.9	1.9		1.9	-	_	•	1.9
CEILING	(FEET)	NO CEILING	V 18000	00091		≥ 12000		0006		7000		9000		4000		3000	1	7 2000	1	1500		1000		8		8		400		7 200	91	0

TOTAL NUMBER OF OBSERVATIONS

155

1 2

SMOS DIRNAVOCEANMET

0

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

I WAKUNIS JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.3 HOURS (1.5.7.) AUG

8886

FEET	vi 0-1-1-0-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-	N	1	0 1 1 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 0-1-1-40xx-mm	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2	25.3 25.3 25.3 25.3 25.3 25.3 25.3 25.3	VI VA O O O O O O C C C C C C C C C C C C C	2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	7 26. 56.	2	52.9 52.9 56.1 56.1	52.9 56.1 56.1	20 52.9 56.1 56.1
CEILING 20000 18000 114	000000111100111100	4000 00 4 4 00 00 00	00000 4 L W W L L O I L R	011140887	00000000000000000000000000000000000000	9-11-40-8-60	000000000000000000000000000000000000000	No 0 0 0 0 0 0 0 0	2000000000000000	000000000	56.	200		0000	
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6000 5000 4500 3300 3300 2500	00 04 08	2000	000	0.3	3			2	2 4	0	70.	0	70.3	70.3	70.3
3500 3500 3500 3500 3500 3500	0 04 08	nor	06-			2			4	2.	72.3	72.3	72.3		72.3
4500 4000 3300 3000 2300	4 C B		0 -	74.2	74.2		74.2		•		74.		74.2		74.2
3500	400		A	.0	-4	.0		9		.9	76.	76.	9	•	76.1
3500 3500 2500 250000 2500000 25000 25000 25000 25000 25000 25000 25000 25000 25000 25000 2	0.0			81.3	81.3	81.3	81.3	81.3	81.3	81.3		81.3	81.3	=	81.3
2500	2.8			4.5	4.5	4.5		•			84.	80	*		84.5
2500		~	8.4	92.3		2.3	92.3	92.3	92.3	92.3		2	92.3	2	92.3
2000	4.8		0	8.46	00	*	8.46	+	8.46		0	. 76	. 4		8.46
•	0.6		92.3	1.9	96.1	8.96	8.96	8.96	8.96		96		8.96	8.96	96.8
1800	0.6	6.		1.9		8.8		.0	8.96		0	96.8	96.8	•	8.96
7 1500	0.6	81.9	92.9	8	8.96	7.4	4.16	-	97.4	97.4	97.4	97.4	97.4	4.16	97.4
1200	4.6	9.	3.6	-	7.4	1.86	98.1	98.1	98.1	œ	-	98.1	98.1	1.86	98.1
0001 1	1.6	9.	93.6	7.86	7.86	4.6	4.66		4.66	4.66		4.66	4.66	•	4.66
006	4.1	0	3.6	8.7	2.0	7.66	4.66	7.66	4.66		0	4.66	4.66	4.66	4.66
. 008	4.4	9.		7.86	7.86	4.6	4.66	4.66	4.66	4.66	-		4.66	4.66	99.4
	69.7	0	93.6	7.66	14.6	-	00.00	100.001	00001	100.0	100	100	100.001	10.00	0.00
000	1.6	9.	3.6	4.66	4.	00		100.001	100.00	100.0	-	_	100.001	•	0.00
200		9.	ç.	4.66	15.66	-	10.00	100.00	0.001	100.0	-1	-	100.00	10.00	0.00
7.	4.6	9.	3.6	4.66	14.66	0.	00.00	100.001	0.00	100.0	100	100	100.001	10.00	0.00
300		9.	3.6	4.6	17.66	0.	10.00	100.00	0000	100.0	100.0	100.0	100.00	10.00	0000
2 200 -7	4.4	9.	3.6	4.6	14.6	.01	00.00	100.001	0.001	100.0	100	100	10000	100.001	0.00
7. 001 <		9.	93.6	4.	15.6	-	10.00	10.001	0.001	100.0	100	9		10.00	0.00
•	1.6	0	3.6	4.6	14.	0	00.00	100.001	0000	100.0	10000	1000	100.00	10000	0.00

TOTAL NUMBER OF OBSERVATIONS

155

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

I WAKUNI, JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.6 HOURS (1.5.T.) AUG

3

1 2 2 2 4 2 2 2 2 2 2 3 4 4 6 6 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	VI	W 444444444 W W W W W A C C C C C C C C C C C C C C	VI P W W W W W W W W W W W W W W W W W W	1 44444		VI 4444 W W W W W W W W W W W W W W W W W	STATUTE MILES Year Year	1	1 4 4 4 4 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	7 7 7 7 8 8 9 7 7 7 7 7 7 7 7 7 7 7 7 7	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	N 444 W W W W W W W W W W W W W W W W W	10000000000000000000000000000000000000	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	10000000000000000000000000000000000000
1 N N	200	5	80.0	87.7		200		97.4	97.4			00	00	00	100	-

TOTAL NUMBER OF OBSERVATIONS

155

3888

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CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

989

AUG

00 HOURS (1 S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(1461)	2	ه ۸۱	S AI	AI	ε Al	12 2%	7	۲۱ ۲۰	¥1	ĀI	× Al	₩ Al	Z.	≥ 5/16	Z AI	0
NO CEILING	0	2.		32.3		36.8	38.1	38.7	38.7	38.7	38.7	38.7	38.7		38.7	38.7
¥ 20000	3	-	38.1	41.3	45.2	45.8	47.1		-	-		47.7	47.7	47.7	-	
	;	2		•		47.1	48.4				•	6		6	•	0.65
N 16000		32.3		45.6	46.5		48.4	49.0			•	0.65	49.0	0.65		49.0
		*		•	49.7	50.3	•					2	2.	2.	•	
2 12000	14.2		43.2	•	51.0	51.6	52.9		53.6	53.6				3		53.6
	*			0.64			55.5		0	0				9		
000 AI		8		-	53.6	54.5	55.5		•		•	•	;	56.8	56.8	56.8
	5	.0		52.3	•	8		-				-		:	:	
7000	•					0.00	61.3	2	~	2	9.79	9.29	2	2.	2	62.6
	9			54.8	0.09	-	5.	3				63.6	3.	63.9	63.9	63.9
2000	7	45.2		58.1	63.2	64.5	65.8		67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
	8	-		0		.9	-	6	6	6	6	6	6	6	6	0.69
900	5	-	•	63.6	6	71.0	2		3			73.6		73.6	73.6	73.6
	0	3		6		.9		6		6	6	6	6	6	6	
3000	21.3	57.4	1.69		81.3	83.9	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
	-	0		77.4	•	7	6	0	ó	0		0	0	0	0	80.3
7 2000	3.		•			eve		3		5	2	95.5	5	3		95.5
	3.			2	1.68	6	3	6.			8.96	•	•	8.96	8.96	96.8
≥ 1500	3	3			6		95.5	2	1.	-		97.4	1	1.	-	4.16
-	3.	3.	77.4	82.6	1.68	2.46	95.5			98.1	1 . 86	8	1.86	98.1	98.1	98.1
V 1000	3.	3.		5	6		96.1	8	8	6	00.00	•			0.00	0.00
006 4	3	3.		82.6	•			8	48.7		00.00	00.00	00.00		0.00	0000
	3						96.1		8		00.00	0	00.00	00.00	00.00	0000
	3	3		82.6	6	8.76		8	48.7		00.00		00.00		0.00	0.00
009 AI	3	3.	77.4	82.6	89.7	4				99.4	00.00		0	0	0.00	0.00
2 300	3.	3.	77.4		89.7				186		00.00	0	00.00		0.00	00.00
N 400	3	3.			89.7	•	96.1				00.00	00.00	0	•	0000	0.00
38	3		77.4	82.6	89.7	•			98.7	99.4	00.00				0	00.00
7 200	3	3	•		89.7	94.8	96.1		98.7	4.66	00.00	0	•	00.00	00.00	0.00
901	3	3.	77.4	82.6	89.7	8. 76	96.1	98.7	18.1	7.66	00.00	00.00		0000	0.00	0.00
0	3.		77.4	82.6	89.7	8.46		98.7	98.7	4.66	00.00	00.00	00.00	0000	0.00	0.00

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DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

0.69 66.5

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36.1 36.1 36.1

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2000

AI AI

89.7 91.6 96.1 96.8

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CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

STATION NAME

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

12 HOURS (L S.T.) MONTH

AUG

		2	50	S.	~	N.	•	0	•	9	•	•	-	-	_		8	5	c
	7	8	54.2	4.8	55.5	56.8	0.09	66.5	60.9	0.69	0.69	69.7	71.6	72.3	76.1	4	89.0	6	4
	Al	5	4	4	5	0	0	9	0	0	0	0	-	~	0	0	0	~	97
		7		-	41					-	•	•						5	0.
	5/16	. 8	.2	8	'n		0.09	66.5	66.5	0.69	0.69		71.6		-	3	89.0	6.	4
	V 5	15	24	24	52	96.	0	99	20	65	20	29	7	12	76.	61	39	35	3.1
	٨١					1			-	-	_		_		•	-	-	_	-
	2	8.	4.2	8		56.8	0.09		3	0	0.6		•		7	4	0	5.	
	Al	43	54	34	55	20	3	90	99	69	69	69	7	12	10	6	83	26	6
		-	01	-	-	_		_		6			9	-	_			6	*
	*	·	:	•	•	8099	0.09	•	99	98.0	0.69	•		•	10.	19.	0.68	•	
	Al	4	24	54	53	56	9	99	8	60	69	69	7	72	70	5	68	6	6
		8	4.2	20	2				100					m	-	*	0	6	+
	*		:			8.99		:	.99				9.1	2.	16.	79.4	89.0	~	2.
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		80	2	80	2	00	-	-	-	0	0.69	~		•	-	4	0	6	4
	AI	3	54.	3	3	56.	0.09	9	.99	6	6	6	1.6	2.		19.	89.0	2	-
ES		3	5	8	5	5		66.5	0	0	0	69	1	-	16	1		0	0
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5	VI 7.	2		*	'n	0	0	ò	99	0	6	69	-	2	76.1	0	8	2	96.
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VISIBILITY (STATUTE MILES)	72	8	N	00	3	8	0.09	5	3	0	0		0		-	4	*		8
5	71	5	34	4	25	96	0	99	99	69	69	69	17	12	10	64	88	35	96
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>	~		3.6		•	•	*	. 2		•			•		00	•	:	•	•
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	21/2			:				•						•		•		•	
	Al	4	S	2	3	2	53	0	0	0	0	õ	~	-	7	78	87	3	0
		0	•	0	9	80	-	0	0	7	~	30	1	4	9.	2	9	5	0
	Al	3	2.	2.	53.6	*	58.1	3		65.2	65.2	65.	1.	68.	-	74.2	82.6	86.5	-
		4	80		30	80	5	63	c	S	•	C	67	9	-	-	00		16
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	V)	3.1	4	i	S	-	0	5	2	9	56.8	9	28	6	-	4	72.9	9	30
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	•		4							1.0		1.0				2		•	
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	Al	16	20	21	21	2	N	26	26	26	26	26	2	26	26	2	32	3	3

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(FEET)

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

I WAKUNIS JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15 HOURS (1 S T.)

2=

AUG

45.8 46.5 46.5 46.5 46.5 46.5 46.5 46.5 46.5		^	*	8	7 2%	VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES	% A	× ×	3	41.3 4	×	4
45.0 46.2 46.2 46.2 46.2 46.2 46.2 46.2 46.2							2					2		2	
57.4 58.1 58.7 58.7 58.7 58.7 58.7 58.7 58.7 58.7	41.9	4	7	•	•	•		:	ċ	:					
58.1 58.7 59.4 59.4 59.4 59.4 59.4 59.4 59.4 59.4	52.9 5	5	-	1.	8	8	8	8	8	8	8	8			
58.1 58.7 59.4 59.4 59.4 59.4 59.4 59.4 59.4 59.4	53.6 56.	56.	œ	8	8	6	6	6	.6	6	.6	6	6	6	
60.7 61.9 62.6 62.6 62.6 62.6 62.6 62.6 62.6 62	53.6 56.	56.	œ		8	6	6	6	6	6	6		6		
63.9 65.2 65.8 65.8 65.8 65.8 65.8 65.8 65.8 65.8	56.1 5	30	4	0	-	2.	2.	2.	2.	2.	2.	2.	2.	62.	100
63.4 69.7 70.3 70.3 70.3 70.3 70.3 70.3 70.3 70	9.40	0	9	3	5	5	5	3	3	2	5.8	3	3	65.	-
63.4 69.7 70.3 70.3 70.3 70.3 70.3 70.3 70.3 70	61.9 65.	65.	œ	7.	8	6	6	6	.6	6	0.6	6	6	69	
74.2 75.5 76.8 76.8 76.8 76.8 76.8 76.8 76.8 76.8	3.2 6	•		8	6	0	0		ċ	0	6.0	0		70.	0
5.5 76.8 78.1 78.1 78.1 78.1 78.1 78.1 78.1 78	8.4 7	72.	-	*		9		0	•	9	8.9	;		76.	76.8
6.1 77.4 78.7 78.7 78.7 78.7 78.7 78.7 78.7	69.7 73.	73.		2.		8		8.			8.1	8		78.	-
8.7 80.0 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3	70.3 74.	74.	-	9		8		20	00	8	8.7	8	00	78.	78.7
9.4 80.7 81.9 81.9 81.9 81.9 81.9 81.9 81.9 81.9	72.3	76.	_	8	0	-	-	-	-	-	-	-	-	81.	-
1.9 83.2 84.5 84.5 84.5 84.5 84.5 84.5 84.5 84.5	72.9 76.	76.		6	0	-	-	-	-	-	-	-	-	81.	-
3.9 85.2 86.5 80.5 80.5 80.5 80.5 80.5 80.5 80.5 80	75.5 79.	79.		:	143	3	*	*	3	*	*	;	;	84.	4
8.4 89.7 91.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0	77.4 8	81.		3.	5			6		•	•		9	86.	9
2.9 94.2 95.5 95.5 95.5 95.5 95.5 95.5 95.5 95	1.9 85.	85.		8.	6	-	-	:	-	-	=	-	-	91.	-
4.2 95.5 97.4 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1	86.5 9	.06		3.	*	3	5	5	3.	3	3.	3.	3	95.	S
4.2 95.5 97.4 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1	7.7 91.	91.			'n	-		8		80				98	8
4.2 95.5 97.4 98.1 98.1 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7	87.7 91.	91.		*	5	-					00	00		8	
4.2 95.5 97.4 98.1 98.7 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99	87.7 91.	91.	-			-					8	8			
4.2 95.5 98.1 98.7 98.7 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99	87.7 9	91.		. 4				8			00			8	98.7
4.2 95.5 98.1 98.7 98.7 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99	87.7 91.	91.	-		5			8		6	0				4.66
4.2 95.5 98.1 98.7 98.7 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99	7.7 9	91.	-	. 4	5	8		8	6	6	6	9.	6	0	
4.2 95.5 98.1 98.7 98.7 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99	87.7 91.	91.		3	5	8	8	8.	6		4.6		6	99.4	99.4
4.2 96.1 98.7 99.4 99.4 100.0100.0100.0100.0100.0100.0100.010	87.7 9	.16	-	. 5	2	8		8	6	6	4.6			6	4.66
4.2 96.1 98.7 99.4 99.4100.0100.0100.0100.0100.0100.0100.000000	87.7 91.	91.				00	6	:	0	0	10.0	0	0	0	00.00
4.2 96.1 98.7 99.4 99.4100.0100.0100.0100.0100.0100.0100.01	87.7 9	.16	-	4		8	6		ċ	0	10.0	0	0	ò	00.00
4.2 96.1 98.7 99.4 99.4100.0100.0100.0100.0100.0100.0100.01	87.7 91.	91.	-	;			6		0	0	10.0		0	0	0000
4.2 96.1 98.7 99.4 99.4100.0100.0100.0100.0100.0100.0100.01	87.7 91.	-16	-	3		9		6	ċ	0	10.0	0	0	0	
4.2 96.1 98.7 99.4 99.4100.0100.0100.0100.0100.0100.0100.01	7 91.	91.	-					6	0	0	0.0	0		0	
4.2 96.1 98.7 99.4 99.4 00.0100.0100.0100.0100.0100.0100.010	87.7 9	1.	-	. 4				4.66	.0	0	10.0	0	0	0	_
	87.7 91.	:	-	;				4.66	0	0	00.00	ò		ò	_

TOTAL NUMBER OF OBSERVATIONS

155

1 2

100

0

0

SWOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

73-

3-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18 HOURS (LST.)

AUG

8

10

SA SA							VISI	IBILITY (ST.	VISIBILITY (STATUTE MILES)	S:						
(FEET)	2	9 Al	S AI	**	e Al	Y 2%	2 7	VI 71	¥1 Y	-	× AI	*	Z AI	≥ 5/16	N AI	0 11
O CEILING			0	42.6	43.2	43.2	3.	43.2		43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000				55.5	56.1	56.8	56.8	56.B	56.8	56.8	56.8	56.8	56.8	56.8	\$6.8	56.8
			2	56.1	0	57.4	-	57.4	-	57.4		57.4		57.4	57.4	57.4
14000	26.5	50.3	52.3	56.1	86.8	57.4		57.4	57.4	57.4	57.4	57.4	57.4	57.4	\$7.4	57.4
			3	59.4	0		0	0		0		1.09	60.7			60.7
> 12000				0	61.3	61.9	6.19	61.9	61.9	61.9	61.9	61.9	6119	61.9	61.9	6119
1 -			-	5		67.1		67.1							67.1	67.1
000		0.09	61.9	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
1			67.7	72.3	72.9			73.6	3							73.6
7000	32.9		68.4	73.6	74.2		74.8	14.8		74.8		74.8	74.8	74.8	74.8	74.8
1			69.7			77.4		-	77.4	77.4		:		77.4	77.4	77.4
2000	33.6	70.3		19.4	80.0		80.7	80.7	80.7	80.7		0	80.7	0	80.7	80.7
				80.7	-	-	-	-	-	81.9					-	81.9
100			30	84.5	85.2	85.8	85.8	85.8	85.8	3	85.8	85.8	85.8	ś	85.8	85.8
1			6	3	9	-	7.		-			87.1			-	87.1
3000	38.7		84.5	91.0	-		93.6	93.6	93.6	93.6	93.6	93.6	93.6	3	93.6	93.6
			-	4.	9	9	9		9		8.96	8.96			8.96	8.96
2000		84.5	87.7	8.96	8.96	-	98.1	98.1	98.1	98.1	98.1	98.1		98.1	98.1	
1	39.4		87.7	8.76		4.16	98.1	98.1		98.1	98.1	1.86	1.86	98.1		98.1
1500	39.4	84.5	87.7			-		98.1		98.1	98.1	98.1		98.1	1.86	98.1
	39.4	84.5	87.7	8.76		1.86	98.7	98.7	8	98.7	98.7	98.7	186		48.7	98.7
100	39.4	84.5	87.7	95.5	4.16		4.66	4.66	4.66		4.66	4.66	4.66	4.66	4.66	4.66
	39.4	84.5	87.7	95.5	4.16	7.86	4.66	4.66	4.66	6	4.66	4.66	4.66	4.66	7.66	4.66
8	39.4	84.5	87.7	95.8	4.16	7.86	9.66	4.66	4.66	6	4.66	4.66	4.66	4.66	4.66	4.66
	39.4	84.5	87.7	65.5	4.10	98.7		4.66	4.66	0.00				0000	0000	0.00
8		84.5	87.7	95.5	4.76	98.7	4.66	4.66	4.66	ċ	0.00		0	ċ		0000
	39.4	84.5	87.7	65.5	4.76		7.66	4.66			0.001	0.001				0.00
14	39.4	84.5	87.7	95.5	97.4	98.7	4.66	4.66	4.66	0.00	•		0.00	0		00.0
	39.4	84.5	87.7	95.5	4.16	186	4.66	4.66	7.66	0.00	•	0.001		0	•	0.00
700	39.4	84.5	87.7	95.5	4.16	98.7	4.66	4.66	99.4		0.00	0000		10000	00.00	00.00
81	39.4	84.5	87.7	65.5	4.16	98.1	4.66	4.66	4.66	-	0.00		0.00	10000	00.00	0.00
> 0	39.4	84.5	87.7	95.5	97.4	98.7	4.66	4.66	4.66	0.00	0000	0.001	00.00	0.001	00.00	00.0

TOTAL NUMBER OF OBSERVATIONS

155

3 =

DIRNAVOCEANMET SMOS

12130 6131

0

76.8 76.8 80.0 82.6

85.2

86.5 92.3

8.46

8.96

4.16

98.1 98.1 4.66 4.66

4.66

CEILING VERSUS VISIBILITY

WAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNIS JAPAN

YEARS

AUG

55.5

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55.5

0.09

56.8

00.0010.00 80.0 8 . 46 4.16 4.66 76.8 85.2 92.3 8.96 98.1 76.8 00.00 82.6 86.5 98.1 86.8 0000 67.7 4.66 67.7 1 ۸۱ 80.0 4.46 55.5 74.2 76.8 16.8 95.8 85.2 8.76 4.66 4.66 55.5 56.8 92.3 98.1 0.09 67.7 96.8 98.1 67.7 2 5/16 80.0 8.46 86.8 92.3 85.2 96.8 4.16 1.86 55.5 67.7 76.8 76.8 82.6 1.86 4.66 4.66 4.66 60.0 74.2 67.7 2 ۸۱ 55.5 76.8 85.2 92.3 80.0 4.66 55.5 0.09 0.09 67.7 74.2 76.8 85.6 86.5 8.76 8.96 4.66 56.8 56.8 4.16 98.1 98.1 4.66 67.7 Al 80.0 4.66 8.96 4.66 4.66 67.7 76.8 76.8 82.6 85.2 86.5 4.16 74.2 92.3 98.1 8.46 98.1 67.7 N N PERCENTAGE FREQUENCY OF OCCURRENCE 85.2 4.66 55.5 82.6 92.3 97.4 56.8 56.8 56.8 56.8 60.0 60.0 60.0 60.0 67.7 74.2 76.8 76.8 76.8 67.7 76.8 76.8 80.0 94.8 94.8 98.1 4.66 96.8 98.1 4.66 M VISIBILITY (STATUTE MILES) (FROM HOURLY OBSERVATIONS) 85.2 92.3 8.96 1.86 80.0 80.0 82.6 67.7 74.2 97.4 4.66 4.66 4.66 67.7 1.86 ۸۱ 74.2 96.8 4.66 85.2 94.8 98.1 16.8 82.6 92.3 4.76 4.66 4.66 98.1 7 7 80.0 82.6 92.3 85.2 76.8 4.1.6 74.2 4.66 55.5 76.8 8.96 98.1 4.66 86.5 94.8 98.1 67.7 9.66 67.7 7 93.6 4.16 97.4 4.16 75.5 83.9 91.0 55.5 75.5 78.7 98.5 4.66 54.5 54.5 58.7 66.5 72.9 81.3 95.5 96.1 1.96 ٨I 55.5 72.9 75.5 8.75 58.7 75.5 83.9 91.0 93.6 8.76 81.3 95.5 95.5 96.8 8.96 66.5 8.96 8.96 8.96 8.96 54.5 66.5 85.2 24.5 74.8 78.7 M Al 0.69 81.3 71.6 77.4 71.6 89.0 6.06 90.3 90.3 63.2 8003 90.3 8009 51.0 51.0 55.5 63.2 80.0 90.3 6.06 52.3 90.3 AI 47.1 58.1 58.1 63.2 65.2 70.3 71.6 4.64 80.0 80.0 80.0 0.03 80.0 47.1 42.6 51.6 80.0 90.0 65.2 4.89 39.4 48.4 0.08 80.0 80.0 Al 56.1 38.7 47.7 47.7 52.9 54.2 56.8 57.4 65.8 66.5 58.7 63.9 66.5 66.5 66.5 66.5 54.2 66.3 66.3 66.5 66.5 66.5 AI 5.6 5.6 5.0 5.6 3.6 2.6 5.6 5.0 5.6 5.6 5.6 3.6 3.2 3.5 2.6 3.5 3.5 3.2 2 AI NO CEILING 18000 CEILING (FEET) ¥ 20000 Y 14000 000 000 000 4500 400 600 3000 9 9 88 88 2000 1500 88 8 8 ALAI ALAI AI AI ALAI ALAI ALAI AI AI AI AI

TOTAL NUMBER OF OBSERVATIONS

97.4

8.96 8.96

6.06

8.06

80.0

66.3

80

ALAI

66.5

66.5

88

ALAI

96.8

80.0

66.3

155

SMOS DIRNAVOCEANMET

0

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

0

0

10

0

0

0

0

73-77

AUG ALL HOURS (L.S.T.)

9 =

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(186)	0 1	o Al	\$	AI AI	8	≥ 2%	7	¥1 Y	7 1%	<u></u>	% Al	*	VI 22	≥ 5/16	× ×	VI O
NO CEILING		33.8	39.4	42.9	45.4	45.9	46.2	40.4	•	46.4	40.4	40.4	40.4	40.4	0	46.
≥ 20000		40.0	:	8.05	53.5	24.0	34.4	34.6	24.6	54.6				•	24.6	
		41.0		51.2	24.0	•		•	•	•	55.1	3.	55.1	•	•	
N 16000		41.1		51.3	24.0	24.6	55.0	55.5	55.5	55.2	55.2	55.5	55.5	55.2	55.5	55.
		45.4	:	53.2	3	56.5	6.95	57.1					•	•		57.
N 12000		44.2	:	55.5	•	58.6	29.0	20.5	59.5	59.5	6	59.5			59.5	29.
1 -		48.0		60.1				9.49	;		64.4				*	94.
000	15.2	48	55.3	2.09	63.2	63.8	54.5		;	9.49	9.49	;	9.49	;		
	16.1	51.			•		5.69	89.8		•		8.69	•	6	6	69
7000	16.3	52.	:	62.6	6	70.0	10.5	40.0	40.0	10.9	40.0	•	0	40.0	400	
	16.5	52.	:		20.0		71.4	71.8			:	-	-	-		71.
2000	16.9	55.	:	4.69	2	73.6	74.0			74.4	74.4	74.4		74.4		74.
1	17.0	56.	4.49	0.17	;			76.1	76.1					76.1		76.
4000	17.5	58.	-:	75.0	78.5	19.4	80.0		0		80.4	80.4		80.4		80.
	18.1	61.	:	17.8	•	•		83.5		•	83.5			83.5	83.5	83.
3000	19.8	66.	16.4	83.9	7.	6	9.68		0.06	0	1.06	90.1		1.06	1006	90.
	20.3	69	:	87.6	61.5		93.6	0.46	*	0.46	0.46				0.46	94.
1 2000	21.0	70.	-	89.7	3			•	•		•					96
	21.0	70.	-	8.68		6.56					97.0	0.16			97.0	97.
1500	21.0	70.	:				0.46	1.	7.	91.8	97.8			97.8	91.8	97.
	21.1	70.	-		4.46	96.1		0.86	•	8	•	98.5			•	98.
V 1000	21.1	70.	:	4.06	*	. 9	3	8	8		4.66			4.66		99.
	21.1	70.	-	7.06	6.46	•	2.86	6.86	6.86	4.66		5.66			66.5	66
8 A	21.1	70.	:	4.06	4	•			8		66.8					66
	21.1	70.	:	4.06		•		0.66	0.66		8.66	6		•	8.66	66
8	21.1	70.	:	4.06	ċ	6.96	6.86		6	2005	8.66	8.66		8.66	8.66	66
	21.1	70.	:	4.06				99.1	1.66		9.66	6			8.66	66
V 400		10.9	:	4.06	0.56	6.96	98.3	1.66	1.66	6	•	6	•	6.66	•	66
		10.9	:	4.06		6.96	98.3	1.66	1.66	8.66	•		0.001	100.0	0.00	00
200		10.9	:	4.06	5	6.96	98.3	99.1	99.1		100.00	10000		0	0.00	00
81		400	.:	4.06	0.56	. 9	8.86	1.66		6	0	•	0	100.001	•	
٥	21.1	40.0	:	4.06	95.0	6.96	98.3	1.66	1.66	8.66	0.001	10001	00.00	100.0	0.00	00

TOTAL NUMBER OF OBSERVATIONS

1240

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

I WAKUNI, JAPAN

HOURS (1.5.7.)

8 2

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MILE	(2)						
(FEET)	5	9 11	\$ 1	4	e Al	1 2%	7 Al	VI 71	¥1 ×1	- AI	% Al	*	Z AI	≥ 5/16	N N	0 1
NO CEILING	.7	37.3	45.0	47.3		47.3	-		1	-					47.3	
≥ 20000	.7		44.0	6.64		20.0	0	50.0	0	ċ	0		0	•	0	
N 18000	.7		4.	49.3		50.0		20.0	0	20.0	0	ċ	20.0	20.0	0	20.0
00091		38.7	0.44	49.3	49.3	50.0	50.0	20.0	20.0	0	•	•	0		0	
> 14000	.7	40.0	45.3	50.7	20.1	51.3		51.3	-	51.3	-	51.3	51.3	51.3	51.3	51.3
> 12000	.7		47.3	52.7	52.7	53.3		53.3	3	53.3	ë	53.3		53.3	53.3	53.3
	1.3		2	57.3	57.3	58.0	58.0	58.0	58.0	58.0	8		58.0		56.0	58.0
000	1.3	45.3	52.7	58.0	58.7	59.3	6	59.3		59.3	59.3	•	6		59.3	59.3
í		52.0	59.3	0.99	67.3	68.0	0.89	0.89	8		8	0.89	0.89	68.0	0.89	68.0
700	1.3			67.3	68.7	69.3	70.0	70.0	10.0	10.0	•		10.0	10.0	10.07	10.0
	1.3	24.0	-		69.3	70.0	70.7		0		0	10.1	70.7	70.7	70.7	70.7
900			64.0	70.7	72.0	72.7	73.3	73.3	3	3	3	73.3	3	73.3	73.3	73.3
1		56.0		72.0	*	14.7		75.3	5	75.3	75.3	75.3	75.3	75.3	75.3	
909 1 Al		59.3	68.7	76.7	•	79.3	80.0	80.0	80.0	ċ	0		0			80.0
	1.3	60.7	0	78.7	80.7	82.0	82.7	82.7	2		82.7	82.7	82.7	82.7	82.7	82.7
3000	1.3	62.0	~	84.0	86.0	87.3	88.0				88.7					88.7
1	1.3		*	86.0	8			40.1		-	-	6116	•	-	91.3	91.3
7 2000	1.3	65.3			•	92.0	93.3	93.3	93.3		0.46	0.46	0.46		0.46	0.46
}	1.3	0.99	-	89.3	-			0.46		4.7				4.7	4.7	
1500	1.3	0.99	77.3	0.06	95.0	93.3			0.96				0		1.96	1.96
1	1.3	66.7		2.06	63.3	64.7		97.3		0.86	0.86	98.0	98.0	98.0	0.86	98.0
1000		66.7	*	1.06	3	64.7			8	8	8	98.7	8		-	98.7
	1.3	2.99	78.0	1.06	63.3	1.76	61.3		•			1.86	18.7	98.7	18.7	98.7
× 800	1.3	66.7	8	40.1	3.		6.16		8		1.86	18.1	48.7	98.7	1.86	
	1.3	2.99	•	40.7	63.3	4.76	1.	98.0	0.86	98.7	48.7	28.7		1.96	48.7	98.7
N 800	1.3	66.7	8	20.1	3.		97.3		8	00.00	0	•	0	00.00	0	0000
	1.3	66.7		1.06	63.3	1.76	61.3	98.7	98.7	100.00	0	0.001				0.00
> 400	1.3	66.7	8	40.1		34.7		98.7	98.7	0000	0	100.00	0	00.00	10.00	0000
38	1.3	66.7	78.0	1.06	63.3	1.96	97.3	0.00	12.86	0.00	0	100.00	000	0.00	00.00	0000
1	1.3	1.99		2006	93.3	74.1	97.3	1.96	78.7	0000	00.00	0.001	0	00.00	00.00	000
8	1.3	200.1		200		7.76	97.3	98.7	12.86	0000	000	0.00	0.00	000	0.00	0.00
1	1.3	1.90	0.0	1006	93.3	74.	47.3	300	1006	0.00	0001	0.001	000	0000	0000	000

TOTAL NUMBER OF OBSERVATIONS

0

CEILING VERSUS VISIBILITY

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

0

03 NOURS (L S T.)

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

EILING										(
(FEET)			*			716 1		71. 4	71. 4	. *	7. 4	*	71.4	> 5/15		
	2		0 11	•		= 42			*	-	*	* 1	2	2 3/10	*	0 1
CEILING		34.7	39.3	40.7	41.3	61.3	42.0	45.0	45.0	45.0		0.24	•	45.0		45.0
20000		40.0		48.7	49.3	49.3	50.0	50.0		50.0	0	20.0		0	50.0	50.0
18000	.7		46.7	48.7	49.3	6.64	50.0	50.0	\$0.0	50.0	50.0	20.0	90.0	50.0	0	20.0
16000	.7	40.0	46.7	48.7	49.3	49.3	0	50.0	50.0	0	0			0	20.0	20.0
14000	.7		46.7	49.3	50.0	50.0	50.7	50.7	50.7	50.7	0	20.7	20.1	50.7	50.7	50.7
12000	.7	40.7	47.3	50.0	50.7	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
10000	1.3	44.7	52.0	55.3	56.0	56.0	56.7	56.7	56.7	56.7	26.1	26.7	20.7	56.7	56.7	56.7
8		44.7		55.3		56.0	56.7	56.7	56.7	56.7	56.7	26.7	56.7	56.7	56.7	56.7
8000		50.7	58.7	62.7	63.3	63.3	0.59	0.49	0.49	0.49	0.49	0.49	*	0.49	0.49	0.49
7000	1.3	50.7	58.7	62.7	63.3	63.3	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
0009	1.3			63.3	0.49	0.40	1.40	64.7	4	2.49	1.49	1.40	24.7	64.7	64.7	64.7
2000		52.7	61.3	65.3	0.99	0.99	2.99	66.7	1.99	1.99	1.99	2.99	66.7	1.99	66.7	66.7
4500		2	61.3	65.3	0.99	0.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99
000	1.03		0.89	72.7		73.3		14.0	74.0	-	74.0	74.0	14.0	74.0	74.0	74.0
3500		.09		76.0	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
3000	1.3	63.3	74.7	82.0	84.0	64.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
2500		64.	77.3	84.7	89.3	89.3		92.0	92.0	92.0	0.26		0.26	92.0	92.0	95.0
2000	1.3	0.99	78.7	86.0	1.06	90.7	0.76	0.46	0.46	0.76	0.46	0.76	0.46	0.46	0.46	0.46
1800	1.3		78.7	86.0	1.06	20.1		0.46	0.46	0.46		;				0.46
1300	•	1.99	80.0	87.3		92.7	2	97.3	97.3	_		0.86	98.0	98.0	98.0	98.0
1200	1.3	66.7	80.0	87.3	92.7	92.7	•	97.3	97.3	8	0.86	8	98.0	98.0		0.86
1000	1.3		80.0	87.3	93.3	93.3	7.86	7.86	98.7		6	6.66	66.66	86.3	6	99.3
906	1.3	0		87.3	0.46	0.46	.6	66.3		0000	10.00	10.00	0	0000	0000	0000
008	1.3		80.0	87.3	0.46	0.46		66.3	99.31	00.00	00.00	•	00.00	00.00	100.00	0000
780	1.3	9	80.0	87.3	•	4	66.3	6	99.3	0	10.00	10.00		0.00	10000	0.00
8	1.3	0		87.3	*	0.46		66.3		00.00	00.00	00.00	0	0000	100.00	0.00
905	•	1.99	80.0	87.3	0.46	0.46	66.3	6.66		00.00	10.00	0		0000	0.001	0.00
807	1.3			87.3	0.46	0.46	66.3	8.66	99.3	00.00	00.00	00.00	00.00	0000	100.0	00.00
300	1.3	-	80.0	87.3	0.46	0.46	6	66.3		00.00	10.00	10.00	00.00	0000	100.0	0.00
200	1.3	66.7	80.0	87.3	0.46	0.46	66.3	8.66	99.3	00.00	00.00	00.00	00.00	00.00	100.0	00.00
8	1.3	. 9	80.0	87.3	*	0.46					•	0	00.00		0.001	0.00
•	1.3	66.7	80.0	87.3	0.46	0.46	66.3	66.66	99.3	0000	00.00	00.00	00.00	0000	0.001	0000

0

0

0

0

TOTAL NUMBER OF OBSERVATIONS

0

0

0

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUMIS JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

SEP

HOURS (1.5.T.)

on the family without the

*

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUNI, JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

SEP

HOURS (1.5.T.)

		0	3	0	9	3	0	3	3	0	-	-	6	1	0	-	0	-	0	0	1	2	m	0	0	3	2	0	0	0	0	0	0
	٨١	34.	.1.	.1.	.1.	.3.	. 4.	53.	53.	52.	54.	94.	65.	67.	74.	78.	86.	90.	32.	92.	96	96	99.	.66	.66	.66	.66	00	00	00	00	00	9
		0	3	3	3	6	0	6	6	0	-	1	E	3	0	-	0	1	0	0	1	7	10	0	_	3	3	50	0	50	0	0	70
	VI %	34.		.1.		.3.	. 4	53.	33.	32.	54.	.40	.2	27.	4.	78.	;	0	5.	3.	96	96			.60		.60	00	.00	0	00	00	00
		0	3	2	3	3	4	6	6	9	7	9	3 6	3 6	0	77	0	1 9	0	0	1 9	5	3 0	3	3	3	3	010	9	010	0	370	010
	5/16	4	-	:	-	3.	*	3.	3	2.	*	*	5		*	8	•	.0			. 9		6	0	6	6	6	00	0	0	0	•	00
	۸I	6	3	*	4	3	4	2	5	9	0	9	3 6	9	7	1	0	6 2	0	6	0	6	0	0	0	6	0	010	5	5	2	200	500
	% Al	0.0	1.3	-	1.3	3.3		3.	3.	2.6		4	5		0.4	8		0	2.0	2.6	;	. 0	6	6	6	6		0	3	0		0.0	0.0
			*	4	*	*	*	2	~	9	9	9	•	9	-	1	80				0	96	66	66	66	0	0	2	3	01	2	01	10
	*	0.	1.3	1.3	1.3	3.3		3.3	3.3	2.0	:		5.3	. 3	4.0	8.1	0.9	0	2.0	2.0	6.1	9	6.3	6.3	6.3	. 3	6.3	0.0	0.0	0.0		0.0	0.0
	٨١	_	4	4	4	3	*	•	S	9	ò	ò	ø	٥	7	-	8	ŏ	0		5	96	66	66	ŏ	ŏ	3	100	20	ŏ	2	0	100
	*	0			3	3.3		3.3	.3	2.0	4.7		.3	.3	0:	8.7	6.0	0.7	2.0	2.0	6.7	6.7	. 3	.3		.3		0	0.0		0	•	0
	۸۱	34	3	4	4	4	4	2	3	9	3	99	9	9	7	7		6					66		66	6	99	100	ĕ	100	100	001	100
	-	0		.3	.3	.3	0	.3	.3			1.	.3	.3	0		0		0	0			.3			.3		0	0		0	0.	
ES	ΑI	34	4	41	4	43	4	53	5	62	40	64	65	0	-	78	86	90	92	92	96		66	66	66	66	66	001	100	100	100	100	100
WIL	*	0	.3			.3	0.	.3	3	0		.7	.3	.3	0	.7	0		0	0		1.		.3		.3		0	0	0	0	0.	0
15 A	Al	34	4	4	4	43	35	53	53	62	40	90	65	67	7	78	86	06	92	26	96		66	66	6	66	66	8	80	00	00	00	00
(\$1,	2,1	0		3	•	•	0		~	0	1.		63	3	0		0		0	0		. 1			~		-	3	6			6	3
VISIBILITY (STATUTE MILES)	VI.	34	4	4.1	41	43	3 4	53	53	62	40	99	69	19	1.	78	86	06	35	92	96	96	96	96	86	96	86	66	66	66	66	66	66
VISI	64	0	6	6	3	•	0		•	0	1	1	10		0		0.		0.	0	0	0	0	0	0	0	0	-	-	-		1.	7
	AI	34	4	41	41	43	4 4	53	53	25	34	90	65	67	74	78	9	06	N	35		96		98	86	98	96	8	86		86		86
	•	0	6	7	m	6	0	3	3	0	~	-	0	17	0	0	•	0	~	•		-	3		•	3	~	0	0	0	0	0	0
	≥ 2%	34	-	41.	41	63	44	53	53	62	40	49	63	67	74	78	33	06	91	16	56	34	63	36	95	62	95	96	96	96	96		96
		1	0	0	0	0	7	3	m	0	1	-	6	m	~	1	7	3	7	-	•	3	0	0	0	0		-	~	-	1	-	7
	٧١	32.	40	0	0	45.	42.	51.	51.	09	62.	62.	63	55	70.	74.	80.	85	86.	86.	68	89	.06	.06	90.	90.	.06	90.	06	06	90.	06	90
		-	0	0	0	0	0	0	0	0	-	-	6	2		c	•	3	0	0	-	1	6	200	100	•	~	-	<u>m</u>	60	3	3	3
	AI.	32.	0	· o	0	.2.	.2.	0	50.	8	0	0	61.	63.		72.	7.	31.	32.	82.	84.	84.	85.	85.	85.	83.	85.	85.	35	33.	33	85.	83.
		3	7	7	7	-	7	-	-	0	-	7	3	-	3	1		1	7	2	2	3	0	0		0	0	0	0	0	0	0	0
	N AI	-				0	0	0	8			80		-1-	3	8	3.	.0	6.	•	6	6				0		0		0	0	.08	0
		-	-					-		-	_	_		_		_			-	_	-					_		_	-	60			3
	N Al		2	2.	2	*		-	:	8	•	0	-	3.	-	0	;	-	-	-	6	6	6	6	6	6	6	6	6		6	.6	6
		2	_		-	_		-	4	-	_	-		_										_			0			3	9	3 6	9
	9				-			2	2	;	*	*	;	9		8	0	:	-	-	1.	-	:	-	:	-	:	-	-	-			1.3
	Al	-		-	-	-	-	7	~	7	7	7	~	7	~	7	~	m	e	3	9	3	m	~	3	3	9	m	9	•	2	-	m
9	•	CEILING	20000	8	8	8	8	8	0006	8	2000	8	2000	8	4000	8	3000	8	2000	8	1500	8	000	8	00	8	9	9	8	8	200	8	•
CEILING	FEE	CEI	20		≥ 16000		2 12000	-	8	1	2	1	1 AI	1	141		1 AI		2		71		2		- AI		IAI		IAI		A		AI
L		2		^1																										L			

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

0

1.2 HOURS (1.5.7.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0

0

TOTAL NUMBER OF OBSERVATIONS

150

3

8

0

SOWS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

SEP

15 HOURS (1.5.7.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	-	-	-	-	~		~		-	~	-		_	0		~	~	0	_	-	~	-	~		~	-	-	5	-	~	~	~	
	AI	32.7	43.3	0.44	44.0	44.	47.3	56.7	56.7	65.3	69.3	70.	76.		83.3	85.3	91.3	0.46	96.7		99.3	99.3	99.3	99.3	66.3	66.3	99.3	0001	100.0	0.001	100.0	0.001	0001
	A I	32.7	43.3	0.44	44.0	1.44	47.3	20.7		65.3	69.3	70.7	76.7	78.0	83.3	85.3	6116	0.46	40.7	97.3	86.66	8.66	66.3	66.3	66.3	86.3	66.3	0.00	00.00	•	00.00	0	0000
	91/5:	15.7	13.3	0.4	•	4.7	7.3	1.99	10.9		69.3	100	16.7	0.8	83.3	85.3	91.3	0.76	1.96	81.3	6.6	66.3	66.3	66.3	60.3	66.3	80.66	10.00	10.00	10.00	00.00	.0	10.00
	A) %	2.7 3	3.3	4.0.4	4.0	4.7	7.3	1.0	6.7		9.3	100	6.7	0	3.3	5.3	1.3	6.0	6.7		6		. 3	.3	99.3	. 3	9.3	0.010	0.010	10.	0.010	10.	0.010
	*	2.7 3	1.3 4	• 0 •	• 0 •	4 1	1,3 4	5 1 5	5.7 5	6.3 6	6.3	5.1	6.7	• 2	3.3 8	5.3 8	1.3	6 0 .	6.1.9	•	m	.3	.3			6.3	6 6.0	010.0	010.0	010-0	010.0	010-0	0.00
	ΑI	3	4	44	4	4	4	56	56	65	69		7			8	6	56		6	6	66	66	66	6	66	6	ŏ	201	100	100	100	100
	% Al	32.1	43.3	44.0	44.0	44.	47.3	56.7	56.7	65.3	69.3	10.1	76.7	78.0	83.3	85.3	61.3	0.46	1.96		7.86	98.7	7.86	98.7	98.7	98.7	98.7	99.3	99.3	66.3	99.3	66.3	99.3
	Ā	32.7	43.3	0.44	44.0	44.7	47.3	56.7	56.7	65.3	69.3	7007	76.7	78.0	83.3	85.3	91.3	0.46	1.96	61.3	7.86		7.86	1.86	7.86	48.7	7.86	6.66	60.3	86.3	60.3		66.3
VISIBILITY (STATUTE MILES)	71 71	32.7	13.3	0.44	0.44	14.7	.7.3	1.99	20.3	55.3	69.3	10.7	16.7	0.87	83.3	35.3	91.3	0.46	1.96		1.86	1.86	18.7		7.86	18.7	18.1	6.60	99.3	6.66	6.6	6.66	6.6
LITY (STAI	۲۱ ۲۲	2.7	3.3	0.4	0.4	4.7	7.3	6.7	6.7		9.3	1.0	1.0		3	5.3	1.3		6.7	7.3	8.7		18.7	8.7	8.7	8.7	18.7		6.6	6.6	6.6	6.9	6.6
SIBI		3	3 4	4	4	4	4	2	7 5	9	9	1 7	7	7	00	3	3	0	6	6	6	6 2	6	6	6	6	1 9	6	6	6	6	6 1	2
*	AI	32.	43.	0.55	44.	**	47.	56.	56.	65.	.69	10.	76.	78.	83.	85.	91.	•	96			98.	98.	.86			.86	.86	98.	.86	.86		.86
	≥ 2%	32.7	43.3	44.0	44.0	44.1	47.3	56.7	56.7	65.3	69.3	10.	76.7	78.0	83.3	65.3	90.7	93.3	96.0	1.96	97.3	61.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	84.3	97.3
	e Al	32.7	43.3	0.44	0.44	44.1	47.3	26.7	20.1	65.3	69.3	7007	76.7	78.0	82.7	34.1	0.06	92.0	1.96	68.3	0.96	9	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96		0.96
	4	32.7	42.0	42.7	45.7	43.3	0.95	58.3	55.3	63.3	67.3	68.7	74.7	0.91	80.0	82.0	87.3	89.3	1.06	91.3	0.26	evi	0.26	92.0		0.26	92.0	0.26	0.26	-	0.26	95.0	95.0
	S Al	32.7	45.0	42.7	42.7	43.3	46.0		24.0	60.7	0.49	65.3	70.7		16.0	78.0	82.7	84.7	96.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	46.7	86.7	86.7	86.7
	9 Al	-	-		-	-	-	-	~		~	-	~	-	-	-	-		-	-	-	~	~	-	~	-	-	-	-		-	-	-
	0 4	~	~	0	~	0	~	1	-	0	~	-	~	~	1	1			1.		.3			.3				.3	51.3	.3	.3		. 3
CEILING	(FEET)	CEILING	_	13000	00091 4	14000	7 12000	10000	0006	9000	7000	9009	0005	4500	9007	3500	3000	2500	7 2000	1800	1500	1200	1000	906	00	700	8	900	84	300	38	8	
-		9	~	^'	741			1	~	^		^'	,,,,	1	. ///	1		1	***	1	,,,	~		^"		1		1		"		"	"

TOTAL NUMBER OF OBSERVATIONS

150

1 1

0.

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

1

SEP

18

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) INAKUNIS JAPAN

CEITING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	2 1	9 Al	\$ 11	4	6 VI	> 2%	7 1	V1 72	¥1 Y	- -	% AI	*	X N	≥ 5/16	× 1	0 11
NO CEILING	22.0	30.7	32.0	33.3	33.3	33.3		33.3	33.3		33.3	33.3	33.3	33.3	33.3	33.3
2007	•		40.	43.3	6.6.4	6 6 4	•	43.3	43.3	43.3	43.0	43.3	43.3	6.64	43.3	43.3
VI VI 0006 0006	2000		41.3	44	0.44	. 4	000	20	0 0	44	4	4	4	4	90	4
			42.0	44.1	44.1	44.7	44.7	44.7	44.7	44.7	44.	44.7	44.7	44.7	44.7	44.7
12000			43.3	46.0	46.0	46.0	46.0	0.04	46.0	46.0	0.95	46.0	46.0	46.0	46.0	46.0
			51.3	54.7	54.1	54.7	54.7	54.7	54.7	54.7	54.1	54.7	54.7	54.7	54.7	54.7
0006	32.0	48.7	52.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
		55.3	59.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.1	62.7	62.7	62.7	62.7	62.7
7000		57.3	62.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	62.3	65.3	65.3	65.3	65.3
		58.0	62.7	0.99	0.99	0.99	0.99	0.09	0.99	0.99	0.99	0.99	999	0.99	0.99	0.99
2000		61.3	0.99	69.3	69.3	66.3	69.3	69.3	69.3	69.3	69.3	66.3	69.3	69.3	69.3	69.3
		61.3	0.99	69.3	70.0	0.01		70.07	70.0	70.0	70.0	0.0/	10.0	70.0	70.0	70.0
141		62.7	67.3	71.3	72.0	72.0	•	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
1		64.7	70.7	74.7	75.3	15.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
3000	40.0	73.3	80.7	85.3	86.7	87.3	87.3	87.3	87.3	•	88.0	88.0	88.0	38.0	88.0	88.0
		76.0	83.3	88.7	0.06	1.06	6.06	91.3	91.3	92.0	92.0	0.26	0.26	92.0	92.0	92.0
7 2000		78.0	85.3	2.06	95.0	92.7	7.26	93.3	93.3	0.46	0.46	0.46	0.46	0.46	0.46	0.44
		78.0	85.3	40.1	92.0	92.7	92.7	93.3	93.3	7.46	1.46	4.7	4.7	94.7	1.06	4.7
1500	43.3	78.7	86.7	0.26	0.46	7.46	95.3	4.96	7.96	0.86	0.86	0.86	98.0	98.0	0.86	98.0
		78.7	86.7	92.0	0.46	4.7	95.3	1.96	1.96	98.0	0.86	0.86	98.0	98.0	0.86	0.86
1000	43.3	80.0	88.0	63.3	6.56	96.0	7.96	48.7	98.7	0.00	00.00	0.00	100.0	100.0	100.00	00.00
		80.0	0.88	93.3	68.3	96.0	1.96	98.7	98.7	0.00	00.00	0.00	0.001	100.0	100.001	0.00
8	3.	80.0	88.0	63.3	95.3	0.96	1.96	7.86	98.7	ò	00.00	0.00	0000	100.0	100.001	00.00
	43.3	80.0	98.0	63.3	62.3	0.96	7.96	98.7	98.7	0.00	00.00	0000	0.001	100.0	0.001	0.00
9	43.3	80.0	88.0	63.3	69.3	0.96	1.96	7.86	98.7	0.00	00.00	00.00	0.001	100.0	100.001	0.00
		80.0	0.88	63.3	65.3	0.96	1.96	1.86	98.7	0.00	00.00	0.00	0.00	100.0	0000	0.00
1 400	3	80.0	88.0	63.3	95.3	0.96	7.96	7.86	98.7	0.00	00.00	00.00	0.001	100.0	100.001	0.00
	•	80.0	0.89	63.3	65.3	0.96	1.96	98.7	98.7	0.00	00.00	0000	0.001	100.0	100.0	0000
> 200	3	80.0	88.0	63.3	62.3	96.0	1.96	196	98.7	0.00	00.00	00.00	0.001	100.0	100.001	0.001
8	43.3	0.08	88.0	93.3		0.96	1.96	7.86	98.7	0.00	0.00	0.00	0.001	0.001	0.001	0.001
		0000	0.00	93.3	95.3	20.0	1.96	1.96	1.06	000	00.00	000	0000	100.0	0000	00.00

TOTAL NUMBER OF OBSERVATIONS

150

0

0 0

0

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

INAKUNI, JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-77

21 HOURS (1 S T) SEP

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OBSERVATIONS	
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66.3 66.3

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92.0 92.0

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66.3

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90.0 92.0 95.3 90.0 92.0 95.3 92.0 95.3

68.0 80.0 80.0

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SMOS DIRNAVOCEANMET

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

I WAKUNIS JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (1 5 7) SEP

200

CEILING							VISI	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	21	۰ ۸۱	S AI	AI	ε Ai	> 2%	2 4	% AI	VI 74	AI .	% AI	*	N %	≥ 5/16	N N	0 1
NO CEILING	11.3	12	35.8	37.8	38.0	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3		38.3
≥ 20000	14.0	:		44.9	5	45.8	10	45.8	45.8	45.8		45.8	45.8	45.8	45.8	45.8
	*			45.1	•	45.9	46.0	0.94	0.94	46.0	•	•	•	46.0	46.0	46.0
14000	;		42.7	45.1		•			46.0		46.0	46.0	40.0	46.0	•	46.0
	*		43.8	46.3	8.94	47.1	47.2	47.2	47.2	47.2	47.2		•	47.2	47.2	47.2
7 12000	*	0	45.6	48.2	48.8	49.1	49.5	49.2	49.5	49.2	6	49.5	49.2		6	49.5
1 -	9			54.5	54.9	5.	55.5	55.5		55.5	5.		5.	55.5		
000					55.4	55.8	56.1	56.1	0	56.1	56.1	56.1	0		56.1	56.1
	-	-		62.1	63.3		0.49	0.49	0.49	0.49	0.49			0.49	0.49	0.49
1 1 1000	100		0.09	0.49	65.2	65.7	•	0.99	. 0	0.99	0.99		0	•		0.99
	3				5.			8.99	8.99			;		66.8	8.99	
2000	6			67.4	68.8	69.3	6		6	69.7						69.7
1	6	-	2.49	68.5		0	70.9	40.0	10.9		4.07	40.0	10.9	400	10.9	10.9
900	0	0				75.6	.0	16.0			•					16.0
	-	2.			78.3	0	6	19.8	6	19.8	19.8		19.8	79.8	19.8	79.8
3000	2	-	76.2	85.8	5	96.4	87.2	87.2	87.2			-	1.			87.3
	100	6		85.5	88.5	0	91.3		91.3	91.6	•	-	-		91.6	91.6
7 2000	*	0	80.4		0	95.4	3	3		94.1	1.46			*	;	
1	5	-	80.7		61.3		1.56	3.46	2.46	64.5	4.	. 4	94.5	64.5	34.5	94.5
141	-	-	81.8	89.1				97.1	97.1	-	97.5			97.6		97.6
1		-		89.3	93.3	95.0	97.1		-		2.	8.		00	98.0	98.0
000	3	~	82.2		93.8	95.6		98.6	8		6		99.3	86.3		
	23.7	72.0	82.2	89.6	93.8		98.1	8	98.8	66.3	•		4.66	4.66		4.66
00 Al	3	è	82.2						8		6			89.5		
					3.	3		98.8		4.66	6	99.5	66.5	99.8	99.5	
8	3	·	82.2		93.8	95.8	98.2	98.8	0.66	6	6	6			•	49.7
	6	2		89.6		8.56	. 8	1.66	66.3	8.66	6		0	100.0	10000	0.001
8	3	2	82.2		63.9	95.8		99.1		96.6	6	100.00	100.0	100.0	100.0	0.001
	3	2.		9.68	63.9	100	8	1.66				•		•		0.001
8 1 1		'n	82.2			95.8						0	0	0	0	
VI 8	3	•	82.2	9.68	3		98.3			6		0	0	0	0	0000
٨١		2	82.2	9.68	93.9	95.8	98.3	99.1	99.3	96.6	66.6	0000	0.001	0000	100.0	0000

1200

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

0

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0

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0

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Total September 1

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

43324

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1552

1

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0

0

73-77

00 HOURS (1 S T) UCT HONTE

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							2	(3)	VISIBILITY (STATUTE MILES)						1	
_	2	٥ ٨١	S AI	AI AI	e Al	1 2%	7	71	¥1 ¥1	Ā	۸I	*	Z Al	≥ 5/16	AI 2	
NO CEILING	.7	45.8	48.4			1.	1:	-	-	51.6	51.6	-	-		-	
20000	. 7	47.7	50.3		54.2	54.2	54.8	54.8	54.8	;	54.8	54.8	54.8	54.8	54.8	-
8	.7				;	*	5	3		8	55.5	5	3	5	3	
16000	.7		51.0	54.8	54.8	4	55.5	55.5		55.5	52.5	55.5	55.5	55.5	55.5	
8			51.6			55.5		56.1	56.1	•		56.1	56.1	9	56.1	
12000	. 7	51.6	54.8		58.7	58.7	\$9.4	\$ 65		6	•				5	
8		55.5	59.4		3	3		63.9		3.					63.	0
0006	.7	55.5	29.4	63.2	63.2	2.69	63.9			63.9	63.9		63.9	3	•	0
8	. 7	58.1	63.2		6	6	6	6		.6		69.7		6	69	9
2000		0.00	65.2		72.3	72.3	72.9	2	72.9	~		2		2		-
8		0.00			3	2		2			72.9		72.9	2	72.	
2000	.7	60.7	65.8		72.9	2	74.2			*				*	74.	-
8	.7	61.3			4	74.8		76.8	9	9	76.8	76.8	9	76.8	76.	-
4000	.7	67.1	72.9		82.6	2	83.9	4		84.5	84.5		84.5	4	84.	
8		67.7	73.6		3	1	. 4	5	85.2			85.	85.2		00	8
3000	.7	70.3			88.4	89.0	90.3	91.0	-	-	91.0		-	-	91.	0
8	.7	70.3	70.8		6	6	-	-		-	-	91.	-	-	91.	16
2000	. 7	70.3			91.0	-		94.2	4		34.5		94.2	*		
8	.7	70.3			-	-	10	3	4	4		*		4.	94.	76
1500	.7	70.3	76.8		91.6	2		3	95.5		95.5		95.5	5	95.	0
8	.7	70.3			2.	(1)	S	9	96.8	-		-			97.	0
9	.7	70.3	76.8	80.3	92.9		1.96	4.16	-		98.1	98.1	98.1		98.1	0
8	.7	70.3	76.8		2.		9		-	80	8	98.1	8	98.1	98.	0
00	. 7	70.3	76.8		93.6		8.96		98.1	98.7	7.86	98.7	98.7	98.7	0	0
8		70.3	77.4			95.5			4.66	•	100.0	100.0	0	00	9	0
900	. 7		77.4			10	98.1		99.4	100.001	100.0	100.0		100.0	100.0	2
8	.,		77.4			68.5		4.66	6	0	0.001	0.001			100.0	2
400	.7		77.4	-	;	5	1.86		99.4	100.001	100.0	0	100.0		100.0	2
8	.7	70.3	77.4			98.5	1.86	4.66	7.66	100.001	0.001	0		0	100	9
200	.7	70.3	77.4	-	8.46	95.5	98.1		4.66	100001	10001	100.0	•	0	100.0	2
8	.7	70.3	77.4		;	65.5	98.1	6	7.66	10000	0.001	0.001	0.001	1000	100.0	2
		7	11		0 70			1	7 00		0	0	000	000	400	0

TOTAL NUMBER OF OBSERVATIONS

155

200

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUNI, JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOURS (LST) DCT NONTH

TOTAL NUMBER OF OBSERVATIONS

155

SWOS

DIRNAVOCEANMET

43324

0

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

INAKUNIS JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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		2 54.2 54.2 54.2 54.2 54.2 54.2 54.2 54.
N	21 2% 2% 2% 2% 4.2 54.2 54.2 54.2 54.2 54.2 54.2 54.2	21
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TOTAL NUMBER OF OBSERVATIONS

155

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43324 STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUNIS JAPAN

73-77

HOURS (1.5.T.)

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

٨١	47.1	0 0 0 0	52.3			63.9	63.9	67.7	70.3	71.0	72.9	74.2	80.0	81.3	85.2	90.3	91.0	91.0	1.96	4.16	7.86	18.1	0.00	0.00	0.00	0.00	0.00	0.00	0000	000	000
× A1	47.1	•	30			63.9	63.9	7.7	6.0	1.0	5.9	4.2	0.0	1.3	.2	4	0	1.0	1.9	4.1	8.7	48.7	0	10.00	10.00	10.00	00.00	10.00	00.00	10.00	00.00
≥ 5/16		:			58.1	63.9	63.9			1.	2.	*	0	-					9	-		7.86	10.00	0.0	0.0	0	0	.0	00.00	10.00	10.00
Z.		•	• •			3	3.	1.	0	-	?		0	-	5.5	0.3	1.0	0.1		-	48.7	48.7	00.00			10.00	•	•	00.00	0.00	00.00
*	47.1	-	2:	4		3.	3		·	1.	5	*	0	-		•		-				8		17.66		14.66	14.66	14.66	14.66	4.66	14.66
% AI	47.1	•							0	1:	5		0	-				0.16			1.86	1.86	4.66	7.66	4.66	4.66	4.66	4.66	47.4	4.66	33.4
- AI		•		4		63.9	3.	7	.0	1.	3	4	ċ	-	5	0	-	-	5			7.						-		98.7	98.7
71 71	47.1	•	:	3		•	•	7.	0	1:	2	*	0	:		•	•		;									98.1	98.1	98.1	1.86
VI %			: ~			63.6	63.6		.0	1.	3		0	-:		0	-	-:	*										1.96	98.1	98.1
N Al	1.	•		4		63.9	63.9			1.	2.		0	-	5	0	0	0	5		4.									96.1	1.96
2%		:			-	63.2	3		6	6	-	2	00	0	3	8	6	6	2.			100	4	*	;		*	. 4	;		34.6
N Al	•	•				61.9	61.9	5	1.			•	•	78.7	82.6	-	1.		6			6.06	0.16	-	-	1.	-	1.	-	-	91.0
4	.0	-	: -	2		-		5	7.		0	-		8	-			. 9	6	6											1.68
\$ 1		•							•					72.9	76.1		•								•		•	81.9	61.9	81.9	81.9
41		•																	•						•				•	•	•
2	80	0	00	0	:	5		-		8	00	00	:	-	2	+	*	3		;	;	3	;	*		;	;	. ,		;	:
(FEET)	O CEILING	200				1 -																				150					
	N N N N N N N N N N	210 26 25 24 23 22% 22 21% 21% 21 2% 2% 2% 2% 2% 2 6 16 18 1 41.3 45.2 46.5 46.5 47.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1	200 ≥6 ≥5 ≥4 ≥3 ≥2% ≥2 ≥1% ≥1% ≥1 ≥% ≥% ≥% ≥% ≥5/16 ≥% ≥ % ≥	200 26 25 24 23 22% 22 21% 21% 21 2% 2% 2% 2% 25/16 2% 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20.0 26 25 24 23 22% 22 21% 21% 21 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2%	200 26 25 24 20 22% 22 21% 21% 21% 28 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2%	200 26 25 24 20 22% 22 21% 21% 21% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2%	200 26 25 24 20 22% 22 21% 21% 21% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2%	20.0 26 25 24 20 22% 22 21% 21% 21% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2%	2.10 ≥ 6 ≥ 5 ≥ 4 ≥ 7 ≤ 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7 < 7	20.0 ≥ 6 ≥ 5 ≥ 4 ≥ 3 ≥ 2% ≥ 2 ≥ 1% ≥ 1% ≥ 1% ≥ 5% ≥ 5% ≥ 5% ≥ 5% ≥ 5%	20.0 45.2 46.5 46.5 46.5 47.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1	20.0 \$6.2 \$6.5 \$6.5 \$7.1 \$7.1 \$7.1 \$7.1 \$7.1 \$7.1 \$7.1 \$7.1	20.0 \$\(\chi \) \text{A5.2} \\ \delta \) \(\text{A5.10} \) \(\text{A5.2} \) \(\delta \) \(\text{A5.10}	2.0 2.0 2.0 2.1	20.0 26 25 24 6.5 46.5 46.5 47.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1	200 26 25 24 23 22% 22 21% 21% 21% 21% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2%	20. 26 25 24 45.2 46.5 46.5 47.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1	20. 26. 25. 24. 23. 22% 22. 21% 21% 21% 21% 24. 28. 28. 28. 28. 28. 28. 28. 28. 28. 28	20. 26 25 24 65 46.5 47.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1	20 26 25 21 21%	20.0 26 25 24 23 22% 22 21% 21% 21% 21 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2%	20. 26 25 24 27 27 27 27 27 27 27 27 27 27 27 47 1 47 1	20, 26, 25, 24, 23, 22%, 22, 21%, 21%, 21, 28, 28, 28, 28, 28, 28, 28, 28, 28, 28	200 26 25 24 27 27 27 27 27 2 27 2 27 2 27 2 2	200 26 25 24 46.5 46.5 46.5 47.1 47.1 47.1 47.1 47.1 47.1 47.1 47.1	210 26 25 24 27 21 22 22 21 27 21 21 21 21 21 21 21 21 21 21 21 47 1 47	200 26 25 24 25 27 29 22 29 27 29 29 29 29 29 29 29 29 29 29 29 29 29	20.0 26 25 24 25 27 27 27 27 27 27 27 27 27 27 27 27 27	20.0 26 25 24 25 24 25 27 27 27 47.1 47.1 47.1 47.1 47.1 47.1 47.1 47.	18.1 41.3 45.2 46.5 46.5 47.1

TOTAL NUMBER OF OBSERVATIONS

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CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

12 HOURS (LS.T.) DC T

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0.0010.0010.0010.0014.66 0.0010.0010.0010.0014.66 910 55.5 8.96 4.66 54.2 72.9 76.1 87.1 93.6 2006 54.5 57.4 78.1 67.1 13.6 74.8 4.66 74.8 98.7 ۸۱ 54.2 55.5 57.4 91.6 8.96 4.66 54.2 34.5 73.6 74.8 78.1 4.66 72.9 93.6 4.66 67.1 67.1 70.3 74.8 76.1 87.1 98.7 2 5/16 54.2 57.4 70.3 4.66 13.6 4.66 4.66 74.8 74.8 76.1 91.6 90.9 78.1 87.1 93.6 2.46 98.7 1 ٨I 55.5 57.4 9116 54.2 54.5 67.1 67.1 70.3 72.9 73.6 74.8 76.1 93.6 2.46 87.1 96.1 98.7 98.7 78.1 74.8 1.86 98.7 ٨I 55.5 67.1 74.8 13.0 91.6 4.66 4.66 54.2 57.4 74.8 1.96 54.5 70.3 72.9 76.1 87.1 1.86 67.1 78.1 93.6 2.46 7.86 53.6 7.86 7.86 7 PERCENTAGE FREQUENCY OF OCCURRENCE 54.2 57.4 78.1 4.06 67.1 70.3 73.6 94.2 72.9 91.6 67.1 74.8 98.1 54.5 74.8 76.1 87.1 93.6 96.1 98.7 98.7 98.7 4.06 ٨I (FROM HOURLY OBSERVATIONS) VISIBILITY (STATUTE MILES) 76.1 54.5 74.8 87.1 6.26 4.16 4.76 4.76 53.6 55.5 55.5 74.8 91.0 93.6 95.5 55.5 57.4 57.4 67.1 72.9 13.6 78.1 4.76 4.16 70.3 97.4 97.4 67.1 67.1 ¥1 × 97.4 4.76 95.5 54.2 76.1 6.26 93.6 4.76 73.6 74.8 74.8 78.1 4.16 70.3 72.9 87.1 91.0 4.16 67.1 AI 24.5 76.1 95.5 95.5 54.2 55.5 55.5 72.9 74.8 92.3 95.5 95.5 70.3 13.6 6.06 86.5 91.0 92.9 92.9 95.9 94.8 94.8 95.5 46.5 53.6 57.4 57.4 67.1 67.1 14.8 74.8 78.1 95.5 87.1 7 74.8 54.2 67.1 18.1 90.3 10.3 13.6 92.3 95.9 95.5 67.1 73.6 75.5 76.1 92.9 95.5 92.9 95.5 95.9 95.5 92.9 95.5 85.8 87.1 1 2% 72.9 6006 54.5 2.45 6.26 67.1 55.5 74.2 57.4 67.1 70.3 73.6 74.2 77.4 46.5 88.4 ۸۱ 53.6 85.8 66.5 72.3 66.5 73.6 81.9 83.9 56.8 73.6 8.46 72.9 78.5 87.7 87.7 87.7 87.7 66.5 69.7 87.7 87.7 87.7 ٨I 51.6 51.6 78.1 52.9 70.3 83.2 70.3 80.0 83.2 83.2 51.0 54.8 63.2 0.69 1.69 70.3 72.3 81.9 82.6 83.2 83.2 83.2 83.2 58.7 63.2 Al 49.7 61.9 74.8 74.8 64.5 21.0 58.7 63.9 64.5 2.59 72.3 74.2 52.9 64.5 74.8 74.8 74.8 74.8 14.8 70.3 74.8 64.5 ٨١ 45.6 37.4 36.8 37.4 37.4 40.0 36.1 41.3 45.6 45.6 34.2 37.4 45.6 27.7 28.4 34.2 45.6 45.6 45.6 27.7 37.4 45.6 45.6 2 CEILING

16000

AI AI

0

2 20000 Y

9

O.

(FEET)

12000

ALAI

0000

ALA

0

2000

AI AI

0

900

4500

AI AI

0

3500

2000

ALA

1500

AI AI

120

ALAI

0

88

ALAI

OTAL NUMBER OF OBSERVATIONS

4.66

4.66

4.76

97.4

95.5

4.16

83.2

155

1888 13

0.0010.0010.0010.0010.06 99.4100.0100.0100.0100.0 0.0010.0010.0010.00 0.0010.0010.0010.0100.0

4.66

4.66

95.5

92.9

87.7

83.2 83.2

74.8

45.6

88

AI AI

60

74.8

42.6

88

ALAI

3

83.2

74.8

45.6

88

AIAI

45.6

80

AIAI

4.66

4.66

4.66

4.66

99.4

0

0

0

0

0

0

0

0

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1 5 HOURS (L S.T.)

2 0

DCT NONTH

0

CEILING							2	IBILITY (ST	VISIBILITY (STATUTE MILES)	2						
(ree!)	2	٨١	S AI	A I	۸I	1 2%	7 Al	V %	¥ .	-	% Al	*	Z Al	≥ 5/16	× ×	٨١
NO CEILING	5	5				38.7	38.7	38.7		38.7		38.7	38.7	38.7	38.7	38.7
≥ 20000			45.2	46.3	47.1	47.1			47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
	6	3		47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
16000	6			47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	•	47.7	47.7	47.7	47.7
	6	;	46.5	47.7	48.4				48.4	•	8		48.4	48.4		48.4
12000	31.6	47.1	49.7	51.0	51.6	51.6	51.6	51.6	9119	51.6	51.6	51.6	\$1.6	51.6	51.6	51.6
-	0	5	58.1	59.4	0				•	0.09	0.09		0.09		•	0.09
> 3000	1.			60.7	61.3	61.3	-	61.3	-	•	61.3	61.3		61.3	61.3	61.3
	-	0	63.9	60.99			67.7		67.7	67.7	•	•	1.19	67.7	•	67.7
7000				71.0	72.3	72.3	5	•	2	72.3	72.3	72.3	72.3			
		5.	4.89	71.6	72.9	2.		72.9	72.9	72.9	72.9	•	72.9	72.9	2.	72.9
200	5		70.3	73.6	74.8	74.8		74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
	9	-		74.8	76.1	9				76.8	0	9	9	9		76.8
80	6	2	78.7	83.2	84.5	85.2	85.2	85.8	S	85.8		85.8			85.8	85.8
	-	;		85.2	87.1	87.7	-					8		8	88.4	88.4
300	55.5	78.7	85.2	•	91.6	92.3	92.3	95.9	2	92.9	6.76	6.26	6.26	92.9	92.9	92.9
1		-		65.6	8.76	95.5			1.96	96.1				1.96	1.96	96.1
7000	56.1	-	87.7		8.46	95.5	5	96.1	96.1	•	1.96		1.96		96.1	96.1
	56.1	-	87.7	65.6	8.46	95.5	2		9	1.96	•	•	1.96	•		
1500	56.1	-	88.4	3		96.1		96.8	8.96	9			8.96			96.8
	56.1	-	88.4		95.5	1.96	9	1.86	98.1			1.86	1.86		98.1	98.1
1000	56.1	-	88.4			96.1	1.96	98.1	7.86	4.66	4.66	4.66	4.66	4.66	4.66	4.66
	56.1	1:	88.4	3.			0	1.96	48.7				4.66	40.66	4.66	4.66
908 AI	56.1	-	88.4	93.6	-	96.1	8.96	18.1	4.66	00.00	00.00		00.00	0.00	100.0	0.001
	56.1	-	88.4		95.5	1.96		98.7	4.66	0000	00.00	0.00	00.00	0000	100.0	0000
8	56.1		88.4	93.6	95.5	96.1	8.96	98.7	4.66	00.00	00.00		0	0.00	0.001	0.001
	56.1	-	88.4	93.6	5.	1.96		98.7	4.66	0.00	00.00	0.00	00.00	00.00	0.001	0000
N 400	56.1	-	88.4	93.6	95.5	96.1	8.96	7.86	99.41		•	ò		0		0.001
	1.95	1.	88.4	3.		1.96		98.7	4.66	0.00				0		0.001
> 200		:	88.4	93.6	95.5	96.1		98.7	99.4	00.00	•	00.00	00.00	0000	•	0000
VI 81	56.1	81.3	88.4	3.	95.5	1.96	9.96		14.66	0	•	•	0	•	•	
٨١		-	88.4	93.6	95.5	96.1	8.96	98.7	99.4	00.00	00.00	0.00	00.00	00.00	0.001	100.0

0

0

0

0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

73-77

PERCENTA (FRO

AGE FREQUENCY OF OCCURRENCE	IONS)
9	ERVAT
ENCY	Y OBS
FREQU	OM HOURLY OBSERVATIONS
AGE	¥0

16 HOURS (1.S.T.)

DCT HONTE

CEILING							VIS	VISIBILITY (STATUTE MILES)	ATUTE MIL	ES)						
(FEET)	5	٥ ٨١	S	٨١	e Al	> 2%	7	۷۱ ۲۵	71	- AI	% Al	*	Z Al	≥ 5/16	NI N	0 11
	23.2	41.9	44.5	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
7 20000			40.5	- 1	-	0	•	40.0	•	48.4	40.4	-	40.4	48.4	•	40.4
≥ 18000			:	4.84	47.	49.		47.		49.1	1.64	100	43.1	•		49.1
			-		6	0	6	6	6		6	49.1			6	49.7
			6	50.3	51.6	•	•	51.6	•					•	-	51.6
≥ 12000				4	-	•	•	56.1	•		•		;	•	;	56.1
			-	2	63.9		3	63.6	3				*		3	63.9
000 AI	30.3		3		5		65.2	2	3			65.2	65.2	3		65.2
1					6	6	9.	70.3	0				0		0	70.3
7000		63.2	67.1	0.69	-	•	-	2.	3					2.	72.3	
1			-		-	-	-	2.	2					2		72.3
2000		66.5	-	74.2	•		•	77.4	-					-	77.4	77.4
	35.5		2		:	00	8	6	6				6	6	6	79.4
400		69.7	5		5	-	3		3				3	;	84.5	84.5
	37.4			-		4	*		3				5	5	2	85.2
3000	39.4		-			0	0		-				-	-	-	91.0
	39.4		3.	6	-	2.	2		3				3	3	3	93.6
7 2000	39.4		3		-	3	5						;		2.46	2.96
1	39.4		3	6	-	2.	2.		*					4.	4	2.46
> 1500	39.4	76.8	83.9	80.3	92.3	93.6	3.46	96.1	96.1	97.4	4.76	97.4	4.76	97.4		97.4
			3	0	3	3	*		.0				-	-	4.16	97.4
V 1000	40.0			1.	2.	4	5		4.16				8	8	8	98.7
	40.0		. 4	•	2.		3	97.4	-				48.7		98.7	98.7
≥ 800	40.0	77.4	;	:	5	;	2						0	0	00.00	0000
	40.0	4.64	;	:	2.	;		98.1	98.1				0	0	•	0000
> 600		77.4	;	-	2	*	9	98.1				ò	0		00.00	0.00
200			84.5	-	2.		è	98.1	98.1		100.001	100.00	0.00		00.00	0.00
V 400					5.	;	3	1.86				10.00	0	0	00.00	00.0
30	40.0		4.	016	2.	4.	5.	98.1	98.1		0.00	•	0	0	0.00	0.00
		77.4	;		5	3	5	98.1		4.66	00.00		0	0	00.00	0000
9	40.0	77.4	84.5	91.0	3	34.2	98.5	98.1	98.1	4.66	0.00	10.00	0.00	10000	0.00	0.00
٨١	•	77.4	*	91.0	2	*	93.5			4.66	0.00	00.00		0.001	00.00	0000

TOTAL NUMBER OF OBSERVATIONS

155

1

0

0

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

DCT NORTH

21 HOURS (1.5.T.)

73-77	YEARS	PERCENTAGE FREQUENCY OF OCCURRENCE	FROM HOURLY OBSERVATIONS)
JAPAN	STATION NAME	PERCENTAGE FREQU	(FROM HOURL'
IMAKUNI, JAPAN			

1

0

0

0.

0

(FEET)							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
	2	9	87	7	e Al	2 2%	7 AI	VI 2/2	VI 71	-	% Al	*	VI X	2 5/16	N AI	۸۱
NO CEILING	.7		5	6.	0	6	7.	7	7.	7	47.7	47.7	47.7	-	-	47.7
> 20000	. 7	43.2	47.1	48.4	0.65	0.64	50.3	50.3	50.3	50.3	50.3	50.3		50.3	50.3	50.3
V 18000	.7	4	30	6	0	0	-	-:	-	-	-	-		-	-	-
14000		;	49.0	50.3	51.0	-	2	2	2	2	52.3	52.3	52.3	2	2.	52.3
> 14000					2.	2	3	3.	3.	3.	29	3		3		110
12000	.7	8	*	56.1		9	58.1	58.1			•	58.1			58.1	58.1
	.7	2.	6	-	-	-					3	3		3	3	63.2
000			0.09	61.9	62.6	2	63.9	3			63.6				63.6	63.9
	.7	58.7	7	-		-	100	3.		3	3	3.				73.6
1 7000	.7	2	5	76.1	;		8		8	8		8	•	8		78.7
1	.7	2			-	-	6	6	•		6	6	0	6		79.4
9005	.7	64.5	*	78.1				-	-	-	=	-	-	-		81.3
1	.,	4		0	6	0	-	-	-	-	-	-		-		81.3
141	.7	66.3		-	3		3		•		2		5	5	2	85.2
	1.3	-	8		3	*	•		;	.9	•	;	•	\$	•	86.5
3000	1.3	69.7	-		6		-	2	2	2	3	3	2	2	2	92.3
1	1.3	69.7		00		-		3	•		3	3	•		•	93.6
7000	1.3	69.7			3	3	*			5	3	3	3	3	2	95.5
1	1.3	6	83.2	6	6.26	2	•	5	95.5	95.5		95.5	95.5		•	95.5
1500	1.3				2		95.5			•	;	•	;	•	;	96.1
	1.3	6	•		2.	3.	S		•	•	•	•	•		•	96.8
1000	1.3	69.7	3	6	2	-		1.96	96.1	-	•	-	1.	7	•	97.4
	1.3	69.7	•		•		3.		1.96	7.			97.4	1.		97.4
08 AI	1.3	69.7			2	3	. 9	1.		8	8		8	8	8	98.7
	1.3	69.7			•		.0			6	4.66			6	7.66	
8	1.3	69.7	3			3	8.96	-				4.66	6	6		4.66
	1.3	69.7			•	547	-	8	98.1	0	0	ò	0.001	0	0.001	100.0
8	1.3	69.7	3		2		1.			0	0	0	0	0	0000	0.001
30	1.3	4.69	83.2	89.7	6.26	93.6	7.	98.1	98.1	0.00	•	0.001	0.00	0.001	0.001	0.001
	1.3	2.69	3			6	4.16			0	0.001	0		0	100.0	0000
8	1.3	69.7	83.5		92.9	93.6	7.16	98.1	98.1	•	0.00	0000	0.00	0	0.001	0000
	1.3	69.7	83.2			3	97.4		1.96	o	100.0	0.001	00.00	0.001	0.001	0001

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TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DCT ...

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CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	9 AI	۶ ۲	4	e Al	> 2%	1 A	V 1%	¥1 ¥	-	X Al	* Al	% AI	≥ 5/16	AI N	0 11
NO CEILING	2	2	45.4		7.	47.4	47.7	47.7	47.7	47.7		47.7	41.1	47.7	47.7	47.7
> 20000			4.65	51.3	52.0	52.1		52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
				51.9	2	52.7	3	53.0	3.	53.0	3	•			3	53.0
1600	13.6	46.9	50.5	52.0	52.7	52.8	53.1	53.1	53.1	-		53.1	53.1	53.1	53.1	53.1
	3			53.0		3.		54.5	•	54.5	*	4	54.2	54.2	54.2	54.2
12000		6	33.7	55.9	90.95	56.8	57.1	57.1	57.1	57.1	57.1	57.1	-	57.1	57.1	57.1
1	.0	*		-	2		3			•	3	3		3.	3	63.1
0006	16.9			62.3	63.0	63.2	63.8	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
1	00	6	84.8	•	6				•	•	•		•	•	0	70.0
7000	18.7			71.2	72.2	72.4		73.1	73.1	73.1	73.1	73.1		73.1	73.1	73.1
1		-	67.6		2	12.8			•	73.5	3		3	•		73.5
9005	19.3	63.3	4.69	73.5	74.5	14.9	75.5	73.7	3	75.7	75.7	75.7	75.7	75.7	3	75.7
1				74.4	75.7	9				77.0	-		-			77.0
0007		-	74.3	79.8		61.8	2.	82.7		82.7		82.7	82.7	82.7		82.7
1			75.4	81.0	2	19				84.1			4.			84.1
3000		-	79.1	5	87.5	88.3		4.68	6		89.4	4.68		89.4	89.4	89.4
		2.	80.4			90.5	:		616	92.0	92.0	2.	92.0	92.0	3	95.0
7 2000		3	80.9	-	0	91.7	2	93.2	3					93.3		93.3
	22.7		81.1	88.1		6116	92.7	93.5	93.5	93.6	93.6	93.				93.6
1500					95.3	2	. 4		3	. 9		96	1.96		1.96	
		3			•	63.6	95.3	1.96	1.96	97.2	97.3	97.	1.	-		97.3
N 1000					3.	*	.9	-	1.				*			
			81.8	9.68	95.6	0.76	. 9	97.7	1.		8	.86	8	8		
008 AI		3	•	6	5.	*	. 9						6			99.6
		3				4.46	. 9	7.86	8	8.66	6	6	6.66			6.66
%	22.9		61.9		2	4.46	6.96	4.86		99.5		8.66		6.66	6.66	6.66
				6		4.46	.0		8	9.66	6	6	100.001	0000	6	00.00
1 400					5.	4.46	. 9	98.5	98.6	9.66		8.66	100.00	0.001	10000	0.001
	55.9	73.2	81.9	89.8	5	94.4	6.96	98.5	98.6	•	96.6	6	0.001	0000	0	0.00
N 300			•		95.9	4.46		68.5		90.66		8.66	100.0	0.001	100.00	0000
VI 85	22.9	73.2	61.9	89.8	2	34.4		68.8		•			0.001		0.001	0.00
٨١	55.9	•	81.9	89.8	6.26	4.46	6.96	98.5	98.6	90.66	99.8	8.66	100.00	0000	10000	0.00

TOTAL NUMBER OF OBSERVATIONS

1240

0

3

SMOS

43324

30

1

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

00 NOURS (1.5.7.) VON

73-77	YEARS	PERCENTAGE FREQUENCY OF OCCURRENCE
IWAKUMI, JAPAN	STATION NAME	PERCENTAGE

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	(\$:						
(FEET)	2	o Al	S) Al	7	e Al	2 2%	7 1	¥1 ¥1	¥1 VI		AI	*	Z AI	2 5/16	VI VI	٨١
NO CEILING				59.3	6	59.3	6	59.3	89.3		59.3	59.3	59.3	59.3	6	59.3
> 20000	.7			63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	3	63.3	63.3
	.7			63.3	63.3	63.3	63.3	63.3	63.3		3	3.	63.3		3	63.3
16000				63.3	63.3	63.3		63.3	63.3	63.3	63.3	63.3	63.3	63.3		63.3
				0.49	0.49		•		0.49	•	*			•	•	0.49
2 12000		60.7	62.7	65.3	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
	.7			0.89	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
0006 A	.7		65.3	0.89	68.7		68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
	.7			73.3	74.7	74.7	74.7		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
7000	. 7			76.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
1	.7			77.3	78.7	æ	78.7		8		78.7	8	8		78.7	78.7
9000	.7		19.3	82.7	84.0	84.0		84.0	84.0	84.0	*		84.0	84.0		84.0
	.7			84.0	85.3	85.3	85.3	85.3		85.3	85.3	2	5			
141	.7		84.0	88.0	89.3	89.3	6	89.3	6	89.3	6	89.3	89.3	89.3	6	89.3
	.7		85.3	89.3	1.06	40.7	2006	40.7	4.06	40.7	90.7	40.4	0	4006	0	40.7
3000	.7	84.7	88.7	92.7		0.46		0.46	*	0.46	0.46	0.46	0.46	94.0	94.0	0.46
	.7			92.7	1.46		64.7	1.76	•		•		4			24.7
7 2000	.7	84.7			95.3	95.3		95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
1800		84.7	88.7	63.3	98.3	88.3	6.56	85.3	65.3	69.3	3	5	95.3			
	.7	*		93.3	9	96.0	. 9	-	0		•	9	0	.9	•	
N 1200		;					0.86		æ	98.0	98.0	98.0	98.0			
V 1000	.7	3		0.46		7.86	6			6	6	66.3			•	
98 Al	.7	85.3		0.46	98.7		86.66	66.66	•	66.3	99.3		88.3	99.3	66.3	99.3
	.7	5		0.46	98.7	98.7		6	66.3	6	6	86.3				
	.7	85.3		0.76	68.7		86.66	66.3	6	6	6	99.3			6	99.3
009	.7	85.3		0.46	48.7	78.7	6		6	66.3	6	86.3			•	
2 500		5.		0.46	2.86	98.7	66.3	66.3	66.3	66.3		6				66.3
1 400	.7	2		0. 46		98.7	100001	00.00	100.00	00.00	0	0	0	0	0	0000
2 300	.7	85.3	89.3	0. 96		98.7	100001	0.00	0			0	0.001		0	0000
200	.7	2		0.46	48.7	98.71	10000	00.00	100.00	00.00	0000	100.00	100.0	100.0	100.0	0000
81	.7	85.3	89.3	0.46		98.71	0.001	0.00	00.00		0000	0.00	0.001	100.0	0.001	0.001
	.7	85.3	89.3	0.46	98.7	98.7	00.00	0.00	00.00	00.00	0000	100.0	0000	100.0	100.0	0.00

DIRNAVOCEANMET

TOTAL NUMBER OF OBSERVATIONS

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNIS JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

YEARS

HOURS (LST.) NON

95.3 64.0 0.49 80.7 80.7 ٨١ 78.0 0.49 0.89 87.3 95.3 0.89 80.7 80.7 88.7 92.7 0.46 95.3 7.96 76.7 98.7 64.7 78.0 68.0 87.3 0.46 76.7 92.7 0.49 73.3 80.7 80.7 95.3 7.96 98.7 88.7 95.3 2 5/16 0.46 68.0 68.0 0.49 78.0 78.0 87.3 95.3 92.7 98.7 98.7 68.0 68.0 88.7 96.7 80.7 80.7 80.7 ٨I 0.46 92.7 95.3 88.7 80.7 87.3 ٨I 0.89 0.49 78.0 87.3 65.3 0.49 0.46 0.89 73.3 76.7 92.7 65.3 7.86 64. 80.7 88.7 7.96 80.7 AI 0.49 68.0 87.3 0.46 68.0 73.3 76.7 88.7 92.7 95.3 78.0 80.7 80.7 80.7 7.96 98.7 98.7 95.3 . 79 ٨I VISIBILITY (STATUTE MILES) 78.0 0.46 64.7 0.49 0.49 0.89 0.89 76.7 80.7 87.3 65.3 68.3 64.7 73.3 88.7 92.7 7.96 78.0 0.89 0.89 87.3 0.49 92.7 95.3 7.86 76.7 88.7 0.46 0.49 80.7 7.96 64.7 80.7 95.3 64.7 7 7 1.86 80.7 0.46 0.49 68.0 68.0 73.3 78.0 87.3 95.3 0.49 64.0 64.0 92.7 95.3 7.96 80.7 88.7 64.7 64. 76.7 68.0 73.3 78.0 87.3 64.0 0.89 95.3 99.3 66.3 80.7 92.7 0.46 95.3 7.96 99.3 66.3 86.3 66.3 80.7 7.86 88.7 1 2% 0.46 0.86 98.0 87.3 95.3 0.49 0.86 67.3 68.0 78.0 0.86 0.86 68.0 80.7 80.7 92.7 7.96 0.86 0.76 64.0 0.49 88.7 95.3 64. N Al 67.3 0.46 72.0 75.3 76.7 79.3 95.0 0.76 0.46 0.46 0.46 0.46 0.49 85.3 0.46 79.3 0.46 0.76 7.06 92.7 92.7 0.49 0.49 64.7 86.7 92.7 ۱۸ 0.47 75.3 0.99 78.0 88.0 89.3 0.06 0.06 0.09 63.3 78.0 83.3 0.06 0.99 84.7 40.1 70.7 7.06 1.06 90.7 90.7 90.7 1.06 7.06 Al 82.0 63.3 88.0 88.0 86.0 74.0 82.7 87.3 73.3 88.0 63.3 0.99 0.99 76.7 70.7 76.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 88.7 AI NO CEILING (FEET) VI VI 00081 00081 Y 1 400 × 20000 VI VI 4500 4000 2500 88 300 80 200 900 3500 1500 900 88 88 AI AI ALA AI AI ALAI AI AI ALAI AI AI ALAI AI AI AIAI AIAI ALA

TOTAL NUMBER OF OBSERVATIONS

150

888

DIRNAVOCEANMET

SMOS

0

0

0

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0

0

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

I WAKUNI, JAPAN

VON HTHON

0.6 HOURS (1.5.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	£S)						
(FEET)	2	٥ ٨١	S AI	4	e vi	> 2%	7	71 %	VI 7.	AI	% AI	*	Z X	≥ 5/16	N N	٨١
NO CEILING	4.7			58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.
₹ 20000	5.3			62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.
18000	5.3	1		62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.
16000	5.3			62.0	62.0	65.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.
> 14000	5.3	1		62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.
12000	5.3			63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.
	5.3	1		66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.
0006	5.3		65.	66.7	67.3	67.3	6.1.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.
	5.3		70.	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0		72.0	72.0	72.
700	5.3		72.	73.3		74.0	•	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.
1	5.3			73.3	74.0	14.0	74.0	24.0		74.0	•	74.0		74.0	74.0	74.
900	5.3		70.	78.0	78.7	78.7		78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.
1	5.3	1		80.0	80.7	80.7	80.7	80.7	80.7	80.7				80.7		80.
141	5.3		96	88.0	89.3	89.3	89.3	89.3		89.3	89.3	89.3	89.3	89.3	89.3	
	5.3	1		80.3	40.0	1.06	2.06	7.06	40.7	40.7				90.7	40.1	
3000	0.0	88.7	91.	93.3	65.3	95.3	95.3	65.3	95.3	98.3	95.3	95.3	95.3	95.3	95.3	95.
	0.0	1		64.1	1.96	1.96	1.96	1.96		46.7	1.96	1.96	0	1.96	46.7	96
7000	0.9			1.46	6.16	97.3	97.3	81.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.
	6.0	1		1.76	61.6	6.16	6-16	97.3	97.3	61.3	97.3	97.	-		97.3	97.
1300	0.9			96.71	00.00	00.00	100.001	00.00	100.001	100.00	0.001	100.00	0	100.00	100.00	00
	0.9			96.71	00.00	00.00	100001	0.00	00.00	0.00	0.001	100	0.001	•	0000	00
000	6.0	400		96.71	00.00	00.00	100001	00.00	100.00	0.00	0.001	100	0		100.00	00
	6.0			1.96	00.00	00.00	10.00	00.00	00.00	0.00	•		0	•	0000	00
00 Al	0.0			96.71	00.00	00.00	100.00	00.00	100.00	0000	0000	100.00	0.001	100.0	100.00	00
	0.9			96.7	0000	0000	00.00	0.00	00.00	0.00	0.00	100.00		•	0000	00
8	6.0			96.7	0.00	00.00	100.001	0.00	100.001	0.001	0.001	10000	0.001	0000	10000	00
	0.0			1.96	0.00	00.00	100001	00.00	00.00	0000	0.001	100.00	0.001	100.0	0000	00
007	0.0	91.	0.46	96.7	00.00	00.00	100.001	00.00	100.001	100.00	0.001		0	100.0	100.00	.00
	6.0	91.	0.46	1.96	00.00	00.00	100.001	00.00	100.00	0.001	0.001	100.00	0.001	0	0000	00
70	6.0	91.	0.46	196.7	0000	00.00	100001	00.00	100.001	100.0	100.0	100.0	100.0	100.0	100.001	.00
8	0.9		0.46	1.96		00.00	100001		100001	.0	•		0.001			00
2 0	0.9	91.	0.46	96.7	00.00	00.00	100001	00.00	0.00	0.00	0.00	100.0	00.00	0.001	0000	00

0.

TOTAL NUMBER OF OBSERVATIONS

150

0

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

I WAKUNI, JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00 NON

		.3			0.		.3		0	0				0	.3	0	0.		0	0					.3	.3		0	0	0	0	0	0
	Al	65	54	55	56	56	59	65	99	70	72	74	78	82	89	94	96	4	98	98	98	66	66	66	66	66	66	001	001	001	001	001	8
	*	.3			0.		3	.3	0	0			1.	0	.3	0	0		0.	0.			.3	.3				0	0	0	0	0	0
	Al	64	54	55	26	26	29	65	99	20	72	7	78	82	8	36	8	16	96		98	66	66	66	66	66	66	00	8	00	00	00	8
	9	~	-	3	0	-	*	3	0	0	~	-	. 7	0	3	0	0	3	0	0	1	m	~		3	m	3	0	0	0	0	0	0
	2 5/16	64	54.	55	56.	56.	29.	65	99		72.		78			34	96	16	98	86		66	66	66	66	66	66	00	00	00	00	00	ė
		3	-	•	0	-	m	m	0	0	1	-	~	0	m	0	0	3	0	0	~	m	6	m	17	3	~	10	0	0	0	0	0
	VI %	65	54.	55.	36	50.	59.	55	99	0	72.	4	2		89	76	96	97.		86	98	66	66	66	66	66	66	00	00	00	00	00	00
		6	-	6	0	-	m	m		0	1	-	-	0	m	0	0	3	0	0	-	m	3	m	m	3	6	-	7	-	-	10	0
	*	64	54.	55.	56.	90	59.	65.	99		72.	. 4/	78.		89.	. 56	.96	97.	.86		98.	66	6	.66	66	66	66	.00	.00	00	00	•00	00
		0		3		-	3		0	0		-	-	0	3	0	0	~	0		-	3	3	-	9	3	3	0	0	3	0	-	5
	N N	0	. 4 .	.5	90	.0	6	.5	90	0	12.	4.	8	. 7	6	. 46	90	7.	8	8.	8	6	.66	.60	66	66	.66	00	0	0	00	ċ	0
		3	-	6	0	-	60	3	0	0	1	-	1	B	3	6	6	3	0	0	7		9	_	8	-	8	-	010	010	-	-	010
	- AI		*	5	.0	. 9	6	5	0	•	2	4	8	2.	6	4	0	-	8	*			6		6		6	0	ċ	0	0	0	0
(S3)		4	2	2	5	2	~	9	0	1	1	1	7	8	3	0		6		-	0	6	0	6	0	6	6	2	0	010	2	0	2
TE M	1,7	9.3	4.7	5.3	0.9	6.0	6.3	5.3	5.0	0.0	2.7	4.7	8.7	2.0	6.3	9.0	6.0	6.7	8.0	8.0	8.7	6.3	6.3	6.3	9.3	6.3	9.3	0.0		0.0	0.0	0.0	0:0
UTAT	Al	3	Š	5	Š	2	5	9	0	-	-	ř	~	00	œ		6	5	0	0	0	ó	6	6	0	5	0	001	100	0	0	01	0
VISIBILITY (STATUTE MILES)	1,4	. 3	1.1	. 3	0.0		. 3	. 3	0.0	0.0			1.1	0	. 3	0.	0.0	. 3	3.0	0		. 3	. 3	. 3	.3	. 3	6.6	0.0	0.0	0.0	0.0	0.0	0.0
11811	Al	4	30	5	56	26	59	65	99	70	72	7.	78	82	89	96	96	6			98		66	66	66	66		100	100	100	100	0	100
V SIV	2	.3	•	.3	0.		.3	.3		0.		1.	1.	0	•	0.		.3	0.	0.	0.	. 7	1.		.7	1.				. 3		. 3	
	AI	49	54	55	56	56	59	65	99	70	72	74	78	82	89	46	96	97	98		98	96	9	96	98	69	98	66	66	66	66		00
	21/2				0			m.	0	0	1.			0	•	0	0	.3	0.	0.	0	1.				-			e.	e.			3
	AI	64	24	55	50	56	59	68	90		72	14	18	82	60	76	96	46	98		86	98	0	9	98	98	6		66		66	66	66
			. 7	3	0	-	3	3	0	0	1.	1.		0	1.	.3		1.		.3	.3	0	0	0	0	0	0	-	1.	1.	1.		1.
	Al	49	54	55	36	56	59	65	99	10	72	74	78	82	88	63	95	96	16	16	97	86	86	86	86	38	98	98	0	86	98		86
		173	1		0	-	~		6		3	m	m	-	6	0	0	3	6	(1)	•	0	0	0	0.	0	0	-	~			1.	~
	Al	64	54	53	99	36	53	94	65	89	17	13	77	80	87	36	76	56	6	86	93	96	96	96	96	96	96	96	96	96	96		96
		0	3	0	1	3	2	-	0	3	0	3	3	-	m	0	2	2	m	3	0	m	m	m	m	m	6	3	0	2	3	3	3
	VI VI	48	53.	54.	54.	55	57.	53	64.	57	70.	-	75	18	85	06	91.	91	61.	.16	91.	91.	.16	91.	91.	91.	91.	91.	91.	91.	61.	61.	61
		-	-	6	C	-	0	0		-	-	-		-	m	-		-	•	3	8	3	~	•	3	•	•	6	•	6	2	3	•
	٨١																			87.					37.	37.	37.	37.	37.	37.	37.	17.	37.
		-	-	-		-	0	-		_	-	-	~	3	~	3	0	0	0	0	0	0	0	0	0	0	0	0	9		-	0 8	
	2						30.								2.7	3		.0	. 9	46.0		9	. 9	•			9	40.				40.	
_		_		N	~	2	m	3	3	~	m	9	w	3	4	4	4	3	4	3	4	4	4	4	4	4	4	4	4	3	4	4	3
o z	E	ING	8	8	16000	000	12000	000	000	000	2000	00	2000	900	4000	90	3000	005	2000	8	1500	8	1000	8	00	90	9	8	400	8	200	90	•
CEILING	FEE	NO CEILING	2		<u>م</u>		2		NI NI		141	1	141		141	1	1 1	1	141		~! ^!		111		٨١		IAI		IAI		Al		AI
		ž														L																	

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TOTAL NUMBER OF OBSERVATIONS

150

43324

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NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

I WAKUNI, JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (1 S T)

NON

CEILING								VIS	VISIBILITY (STATUTE MILES	ATUTE MIL	ES)						
(FEET)	N S		• Al	S AI	4	e Al	7 2%	7	۲۱ ۲۱	¥1 VI	- Al	% Al	*	Z AI	≥ 5/16	AI Z	٨١
NO CEILING	-		9.0		45.0	2.	2	42.0	42.0		42.0	42.0	•	42.0	•	42.0	45.0
1 2000	_		0	48.7	50.0	0	50.0	0	50.0	50.0	50.0		50.0		50.0		50.0
				6.65	50.7	50.7		50.7	50.7		•	50.7	20.1			50.7	50.7
× 16000	-	.3 4		50.0	51.3	5	52.0	52.0	52.0	52.0	52.0	•	52.0	52.0	52.0	52.0	52.0
		4	8.7	52.0	53.3	\$	24.0	54.0	0.46	•		24.0		24.0	54.0	24.0	54.0
× 12000	-		6.3	54.0	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0		•	56.0	26.0
1	-	3	5.3	0	61.3		62.0	2.	62.0		62.0	62.0	0.29	0.29	62.0	62.0	62.0
000 AI	39	.3	5.3	0.09	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	•		62.0	62.0	65.0
		1.	~	63.3	65.3	0.99	•	0.99	•	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
7000			2.09	•	0.89		68.7		68.7			68.7	•	8	68.7	68.7	68.7
			0	67.3	69.3	•	70.0	70.0	•	•	70.0	70.0	70.0	70.0	70.0	70.0	70.0
2000		-	•	68.7	70.7	71.3	71.3		71.3		71.3	71.3	71.3	-	•	71.3	71.3
		0	0	2	74.0	3	75.3	•		3		5	5	75.3		75.3	75.3
141		0	~	77.3	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
		.7	-	2	84.7	•			•	0	•	.0	86.0	0		86.0	86.0
3000	58	0	•	0.06	93.3	95.3	98.3	95.3	95.3		12/11	95.3	95.3	95.3	5	95.3	95.3
	58	0	~	:	94.7	1.96	61.3		97.3		97.3		97.3	97.3		97.3	97.3
1 200	58	0		91.3	1.76				97.3	-	1	-	97.3	1:		97.3	97.3
	58	0	4.7	61.3	1.76			97.3	97.3		97.3			97.3	97.3	97.3	97.3
1500	58	0	4.7	91.3	4.7	1.96	97.3	98.7	98.7	8	8	98.7	48.7	48.7		98.7	98.7
	58	80	4.7	6116				7.86	98.7	98.7	98.7	98.7	48.7	48.7	98.7	48.7	98.7
141		0	4.7	6119	68.3	97.3	98.7	100.001	100.0	100.0	0.001	100.0	100.001	100.0	0000	100.0	100.0
			4.7	6116	68.3	6.16		100.001	100.0	100.0	0.001	100.0	100.00		0000	0.001	100.0
8 AI		0	4.7	91.3	95.3	97.3	98.7	100001	100.0	100.0	100.00	•	100.00	100.00	100.0	100.0	100.0
		0	4.7	61.3	62.3	97.3	98.7	100.0	100.00	•		100.0	0.00	0.001	100.0	100.0	100.0
8	58	0	4.7	91.3	95.3	97.3	98.7	•	100.0	0.001	100.0		100.00	100.001	0000	100.0	100.0
	58	8 0.	4.7	91.3	68.3	97.3		100.0	100.0	0.001	0.001		10000		0000	100.0	100.0
8		0	4.7	91.3	95.3	97.3	98.7	100.0	100.0	0.001	0.001	100.0			0000	100.0	0.001
		0	4.7	91.3	98.3	97.3	98.7	0.001	100.0	0.001	0.001	100.0	100.0	0.001	100.0	100.0	0.001
1 20		8 0	4.7	6113	95.3	97.3	98.7	100.0	100.0	100.0	100.0	100.0	100.001	100.0	0000	100.0	0000
	-	0	4.7	61.3	95.3	61.6	7.86	0.001	100.0	100.0	10000	100.0	10001	0.001	0000	100.0	0000
٨١	58	0	4.7	91.3	95.3	97.3	98.7	100.0	100.0	100.0	100.0	100.0	0000	0.001	0000	100.0	0000

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

0.

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNIS JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15 HOURS (LST.)

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8 E

NON

	0	41.3	-	5	47.3	51.3	51.3	26.0	26.0	58.0	62.7	63.3	66.7	71.3	76.7	81.3	91.3	95.3	97.3	98.0	99.3	0000	00.00	0000	0000	0000	0000	0000	0000	000	00.00	000	000
	NI N	41.3	40.	2	47.3	51.3	51.3	26.0	26.0	58.0	62.7	63.3	2009	71.3	76.7	81.3	91.3	629	97.3	0.86	86.66	10000	100.001	100.001	100.001	10.001	100.001	00.00	100.001	100001	100.00		00.00
	≥ 5/16	41.3	**	2	47.3	51.3	51.3	26.0	26.0	58.0		63.3	66.7	71.3	76.7	81.3	91.3	95.3	97.3	98.0	66.3	0000	100.0	0.001	100.0	0000	10000	0.001	0000	1000	00001	0.00	0000
	۸۱ ۲۷	41.3		9	41.3	51.3	51.3	26.0	20.0	58.0	62.7	63.3	66.7	71.3	76.7	81.3	91.3	62.3	97.3	98.0	66.3	0.001	100.0	0.001	100.0	0.001	100.0	0.001	100.0	0.001	100.0		0.001
	* AI	41.3			47.3	51.3	51.3	26.0	56.0	58.0	62.7	63.3	66.7	71.3	76.7	81.3	91.3	698.3	97.3	0.86	99.3	10001	100.0	100.0	1	100.0	10000	0.001	100.0	100.0	100.0	001	00001
	% Al	41.3	400	6.14	47.3	51.3	51.3	26.0	56.0	58.0	62.7	63.3	66.7	71.3	76.7	-	91.3	65.3	97.3	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	0.001	100.0	0.001	100.0	0000	0.001
(ES)	- 1	41.3		41.0	47.3	51.3	51.3	56.0	56.0	58.0	62.7	63.3	66.7	71.3	76.7	-	91.3	5		8	86.3	100.0	100.0	100.0	100.0	100.0	10000	00001	100.0	100.0	100.0	0	0.001
VISIBILITY (STATUTE MILES)	71 \	6.14		6.1.	47.3	51.3	51.3	56.0	56.0	58.0	62.7	63.3	66.7	71.3	76.7	81.3	91.3	95.3	97.3	0.36	99.3	66.3	99.3	66.3	99.3	99.3	99.3	66.3	99.3	66.3	99.3	99.3	66.6
IBILITY (ST	×1 ×	41.3		6	47.3	51.3	51,3	26.0	26.0	58.0	62.7	63.3	66.7	71.3	70.7	81.3	91.3	95.3	97.3	98.0	99.3		99.3		99.3	99.3	66.3	86.3	99.3	66.3	99.3	66.3	99.3
VIS	7 2	41.3	*00		47.3	51.3	51.3	56.0	56.0	58.0	62.7	63.3	66.7	71.3	7007	81.3	91.3	95.3	97.3	0.86	86.3	866	66.3	99.3	66.3	66.3	66.3	66.3	86.3	6.66	86.3	€.66	86.3
	≥ 2%	100	40.	41.0	47.3	51.3	51.3	26.0	56.0	58.0	62.7	63.3	66.7	71.3	76.7	80.7	90.7	64.1	96.0			64.3	97.3	7.	97.3	97.3	97.3	97.3	97.3	6.76	97.3	97.3	97.3
	۸I	41.3	40.0	*00	46.7	50.7	50.7	55.3	55.3	57.3	62.0	62.1	999	1001	76.0	80.0	-	0.46	95.3	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	96.0	0.96	96.0	0.96	96.0
	1	41.3	0.00	40.	46.7	50.7	50.7	55.3	55.3	57.3	62.0	62.7	0.99	70.7	76.0	80.0	90.0	0.46	95.3	95.3	95.3	95.3	95.3	95.3	95.3	98.3	95.3	95.3	95.3	65.3	95.3	65.3	95.3
	\$ Al		_	40					54.0				64.0	68.7	74.0	78.0		91.3		92.7		92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.1
	٨١	38.7	43.	*	44.	48.	48.	52.	52.	54.	58.	58.		65.	70.	74.7	. 49	87.	88.	88.7	88.	88.	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	00	8	88.7
	2	32.0	•		5	.0		6	39.3	41.3	42.7	43.3	46.0	49.3	53.3	56.0	64.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
CEILING	(FEET)	NO CEILING	2007	N 18000	≥ 16000		> 12000		0006		7000	1	2000		4000		3000		7 2000		1500		001		8		8 1 A I		8	30	200	8	

TOTAL NUMBER OF OBSERVATIONS

150

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DIRNAVOCEANMET SMOS

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CEILING VERSUS VISIBILITY

WAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUNI, JAPAN

(FROM HOURLY OBSERVATIONS)

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE

HOURS (LS T. 18

S

8

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1

>ON MONTH

77.3 69.3 88.7 95.3 97.3 99.3 7.96 00.0100.0100.0100.00 98.7100.0100.0100.0100.0100.0100.0100.0 98.7100.0100.0100.0100.0100.0100.0100.0 98.7100.0100.0100.0100.0100.0100.0100.0 98.7100.0100.0100.0100.0100.0100.0100.0 56.0 56.0 68.0 68.0 4.7 98.7100.0100.0100.0100.0100.0100.0100.0 00.0010.0010.00 ٨١ 58.0 80.0 54.0 77.3 6103 62.0 95.3 97.3 8.66 54.0 69.3 99.3 69.3 93.3 99.3 62.0 88.7 4.7 95.3 7.96 ٨١ 68.0 54.0 69.3 77.3 80.0 97.3 24.0 58.0 69.3 91.3 95.3 66.3 86.66 86.3 56.0 56.0 88.7 95.3 62.0 93.3 94.7 1096 5/16 AI 58.0 0.89 95.3 97.3 66.3 24.0 62.0 62.0 69.3 50.7100.0100.0100.0100.01 80.0 61.9 69.3 66.3 54.0 93.3 95.3 96.7 66.3 88.7 4.7 Al 56.0 62.0 61.3 66.66 54.0 62.0 69.3 69.3 99.3 98.7100.0100.0100.01 58.0 77.3 80.0 61.3 93.3 95.3 95.3 7.96 88.7 94.7 24.0 95.3 6.66 54.0 58.0 68.0 77.3 6.76 56.0 56.0 56.0 56.0 56.0 69.3 69.3 95.3 80.0 61.3 93.3 88.7 66.3 62.0 66.3 1.46 AI 95.3 62.0 68.0 68.0 68.0 77.3 62.0 95.3 95.3 95.3 96.7 97.3 98.7 99.3 69.3 69.3 80.0 88.7 91.3 4.7 98.7 99.3 66.3 93.3 ٨I VISIBILITY (STATUTE MILES) 0.96 62.0 80.0 91.3 95.3 69.3 93.3 69.3 69.3 88.7 1.46 1.86 62.0 62.0 24.0 24.0 65.0 69.3 77.3 80.0 95.3 0.96 91.3 93.3 7.86 88.7 94.7 7.96 98.7 98.7 7.86 ۸I 0.86 80.0 0.86 62.0 0.86 0.86 98.0 54.0 58.0 6.69 77.3 61.3 0.86 24.0 62.0 68.0 2.76 0.96 0.86 63.3 69.3 7.46 95.3 0.86 0.86 94.7 0.89 0.46 0.46 68.0 0.46 0.46 76.0 69.3 0.76 0.46 60.7 86.7 91.3 92.7 93.3 92.7 66.7 78.7 52. 92. 2 2% 88.0 0.09 1.99 1.99 77.3 85.3 0.06 95.0 42.7 96.0 0.99 0.99 74.7 61.3 61.3 6116 0.09 92.7 52.0 52.7 92.7 92.7 66.7 92.7 92.7 92.7 52.1 92.7 54.7 92.7 92.7 N Al 0.88 77.3 92.0 91.3 91.3 91.3 92.7 66.7 82.0 85.3 92.7 56.0 0.09 0.06 92.7 92.7 74.7 92.7 52.7 ۸I 84.0 87.3 52.0 55.3 0.49 86.0 87.3 87.3 87.3 87.3 87.3 87.3 24.0 59.3 52.0 87.3 64.7 72.7 64.7 AI 82.7 84.0 84.0 84.0 84.0 84.0 84.0 56.7 20.0 20.0 6113 71.3 80.7 84.0 84.0 52.0 56.7 60.7 78.7 84.0 53.3 61.3 AI 26.0 24.0 20.0 18.0 26.0 26.0 26.0 20.0 26.0 26.0 26.0 20.0 24.7 26.0 26.0 20.02 24.7 2 NO CEILING (FEET) VI VI 8000 0000 0000 0000 3000 80 7 2000 12000 VI VI 86 88 2 000 2 000 2 000 900 4500 4000 2000 1500 90 88 88 88 88 ALA AI AI AI AI AI AI ALAI ALAI AI AI AI AI

TOTAL NUMBER OF OBSERVATIONS

150

0

0

0

0

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNIS JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21 HOURS (1 S T) NON

Î

CEILING							VISII	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(FEET)	2	N AI	8 41	AI AI	2 41	2 2%	2 4	7 7	¥1 Y	-	% Al	*	Z Al	≥ 5/16	NI X	AI .
NO CEILING	.7	55.3			58.0	58.0	58.0	58.0	8	58.0	58.0	8			58.0	58.
≥ 20000	.7	57.3	29	61.3	-	-		-	61.3	-	-	61.3	61.3	-		_
	.7	57.3	59.	61.3	61.3	-	61.3	61.3	61.3	-	-	-			61.	61.
14000		57.3	59.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.	61.
		58.0	09	62.0	62.0	05.0	62.0	62.0	62.0	62.0	62.0	62.0	0.29		62.0	62.
12000	.7	59.3	61.	63.3	63.3	0.40	0.00	0.49	0.49	0.49	0.49	0.40		•	64.	04.
1		62		6.19	67.3	0.80	68.0	0.89	0.89	68.0	0.89	0.89	0.89	68.0	68.	68.
8	.7	62		67.3	6.7.3		8	8	68.0	68.0		68.0			68.	68.
	.7	69		11.	72.0	12.1	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.
7000		99		72.7	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.
1	.7	99		73.3	14.0	14.1	74.7	74.7	74.7	74.7	14.1	14.7	14.7	74.7	74.7	74.
2000	.,	7		78.7	19.3	0.08	80.0	80.0		80.0	80.0	80.0	80.0	80.0	80.0	80.
	.7	74	1	81.3	82.0	62.7		82.7	82.7	82.7	82.7				82.7	82.
141		78		86.7	•	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88
	.7	29	1	88.7	0.06	1.06		40.4	40.7	4006	1.06	40.4	40.1	90.7	90.7	90.
3000	.7	82		91.3	92.7	93.3	93.3					83.3	93.3	93.3	93.3	93.
	.7	82		92.0	0.46	1.56		4.7		4.7	1.76	1.76		94.7	94.7	94.
7 2000	.7	82		92.7	1.56	0.96	0.96	0.96							96.0	-
	.7	82	1	2.	64.7	0.96	0.96		96.0	0.96	0.96	•		0.96		
1500	.7	82		92.7	1.46	96.0	0.96		0.96			0.96	;		96.0	
	.7	82	1	63.3	0.96	61.3		0.86	\$	98.0		0.86		8	98.0	
1000	.7	82		63.3	1.96	98.0	0.86	48.7	7.86		48.7	28.2	98.7	8	98.7	.86
	.7	82		63.3	1.96	8	0.86	48.1		98.7					98.7	
8 AI	.7	82		93.3	1.96			48.7	48.7	7.86	7.86	98.7	186	98.7	98.7	98.
	.7	82		93.3	1.96	0.86	80	7.86	48.7	98.7	48.7	28.7			8.	
8	.7	82		93.3	1.96	8	0.86	48.7	98.7	98.7	48.7	7.86	98.7	98.7	98.7	98.
	.1	82.7	de la constante	63.3	1.96		99.31	00.00	0.001	100.00	0.001			0.001	100.0	100
V 400	.7	82.7		93.3	1.96		99.31			100001	00.00			0	100.0	100
300	.7	82.7		63.3		•	99.31		0.001	•	0.00	00	0		•	100.
1 200	.7	82.7		93.3	1.96	98.0		00.00	•	100001	00	00	0	0		100
81	.7	82.7			1.96	•		00.00	0000	100001	.00		0	0	100.0	100
٥	.7	82.7	86.7	93.3	1.96	98.0	99.31	00.00	00.00	10000	00.00	0.00	00.00	0000	100.0	100

TOTAL NUMBER OF OBSERVATIONS

150

0

0

0

0

0

0

0

43324

0

0

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (LST.) NOV

0

TOTAL NUMBER OF OBSERVATIONS

1200

0

0

DIRNAVOCEANMET SMOS

0

0

0

0.

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNIS JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-77

00 HOURS (1.5.T.) DEC

10 2 6 2 5 2 4 2 1 2 2 1 2 2 1 2 1 2 1 2 1 2 2 2 2	CEILING (FEET)								IBILITY (ST.	-	_						
7 38.1 60.7 61.3 61.3 61.3 61.3 61.3 61.3 61.3 61.3		2	۹ ۸۱	- 502	4	6 VI	2 2%	12.2	V	¥1 VI	-	% Al	*	Al		% Al	٨١
7 60.0 62.6 63.2 63.9 63.9 63.9 63.9 63.9 63.9 63.9 63.9	NO CEILING	.7	58.1	0	1.	-1	1.	1.	1.	-	1.	1.	1.	1.	1.	1.	61.3
7 60.0 62.6 63.2 63.9 63.9 63.9 63.9 63.9 63.9 63.9 63.9	> 20000	.7	0.09	3	3.	3	3	3.	3.	3	3	3	•	3.	3	3.	63.9
7 60.0 62.6 63.2 63.9 64.5 64.5 64.5 64.5 64.5 64.5 64.5 64.5	≥ 18000	.7	0.09	2.	3.	3.	3	9	3.	3	3.	3.	:	3.	3.	3.	63.9
7 60.7 63.2 63.9 64.5 64.5 64.5 64.5 64.5 64.5 64.5 64.5	≥ 16000	.7	0.09	2	3			3	3.	3		3		3	3.	3	63.9
7 60.7 63.2 63.9 64.5 64.5 64.5 64.5 64.5 64.5 64.5 64.5	N 14000	.7	60.7	3	100	;	*	*	4.	*	4	*	:	. 4	4	*	64.5
10000 1 1 1 1 1 1 1 1	≥ 12000	.7				4	*	3	;	3	;		:	4.		*	64.5
10 10 10 10 10 10 10 10		.7		3	9	-		2			-	-					67.1
1.3 67.7 72.3 72.9 73.6 73.6 73.6 73.6 73.6 73.6 73.6 73.6		.7		3		-		-			-	-		1	-	-	67.1
7000 1.7 68.4 72.9 73.6 74.2 74.2 74.2 74.2 74.2 74.2 74.2 74.2		.7			3	3	3		3.		3.	3	3	3	3.	3	73.6
2000 1.3 69.0 73.6 74.2 74.8 74.8 75.5 75.5 75.5 75.5 75.5 75.5 75.5 75		.7	4.89		•	;	4		;		*	;	:		*	;	74.2
3000 1.3 59.7 74.2 74.8 75.5 75.5 76.1 76.1 76.1 76.1 76.1 76.1 76.1 76.1	1	1.3	0.69		4	3	*	5	2		5	2	:	3	5	5	
1.3 73.6 78.7 79.4 80.0 80.0 80.7 80.7 80.7 80.7 80.7 80.7		1.3	69.7		;	3	3				0	;	•	.0	.9	;	
1.3 79.4 84.5 85.8 86.5 85.1 87.1 87.1 87.1 87.1 87.1 87.1 87.1 87	1	1.3	73.6			0	0	0	0		0	0	:	0	0	0	
3500 1.9 86.5 92.8 87.1 88.4 88.4 89.0 89.0 89.0 89.0 89.0 89.0 89.0 89.0				*		;	.0	:	-		-	-	:	-	-	87.1	
3000 1.9 86.5 91.6 92.9 94.2 94.2 94.8 94.8 94.8 94.8 94.8 94.8 94.8 94.8	1			5		8		6	6		6	6		6	.6	6	89.0
2500 1.9 86.5 92.9 94.8 96.1 96.1 96.8 96.8 97.4 97.4 97.4 97.4 97.4 97.4 97.4 97.4			86.5	-	2	*		*			*	+	:	*	*	;	94.8
2000 1.9 87.1 93.6 95.5 96.8 96.8 97.4 97.4 97.4 98.1 98.1 98.1 98.1 98.1 98.1 199.4 199.4	1	1.9		2	4	9	9				:	-	:	-		-	97.4
1.9 87.1 93.6 95.5 96.8 96.8 97.4 97.4 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1				3		•	9	-				8		8	8		98.1
1500 1.9 87.1 93.6 95.5 96.8 96.8 97.4 97.4 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.1		1.9	87.1	3	3	9	.0	7	-	4.16	8	8	98.1	8	8		98.1
1000 1.9 87.1 93.6 95.5 97.4 97.4 98.1 98.1 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7			87.1			. 9	.9	÷	1	97.4	8		98.1		98.1		98.1
1000 1.9 87.1 93.6 95.5 97.4 97.4 98.1 98.1 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7		1.9	87.1	3.	*	7.	7		8		8	8	28.7		98.7		98.7
100 17.1 93.6 95.5 97.4 97.4 98.1 98.1 98.7 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4			-	3	3	2	-	8			8	0	98.7				98.7
109 87-1 93-6 95-5 97-4 97-4 98-1 98-1 98-7 98-7 98-7 98-7 98-7 98-7 98-7 98-7		1.9		3	·	-	-		8		Œ	00	98.7	98.7			98.7
700 1.9 87.1 93.6 95.5 97.4 97.4 98.1 98.1 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7		1.9	-		3	1.	-	8	8		8	8	98.7	98.7		8	98.7
500 1.9 87.1 93.6 95.5 97.4 97.4 98.1 98.1 98.7 99.4 <		1.9	-			-	-	. 8	8		00	00	48.7	-		8	98.7
200 1.9 87.1 93.6 95.5 97.4 97.4 98.1 98.1 98.1 98.7 98.7 98.7 98.7 98.7 98.7 98.7 98.7			-		3	-		8	8		œ	8	98.7	_			98.7
109 11-9 87-1 93-6 95-5 97-4 97-4 98-1 98-1 98-1 98-7 98-7 98-7 98-7 98-7 99-4 99-4 99-4 99-4 99-4 99-4 99-4 99		1.9		3	5	-	7	8	8								98.7
200 1.9 87.1 93.6 95.5 97.4 97.4 98.1 98.1 99.1 99.4 99.4 99.4 99.4 99.4 99.4 100.01 200 1.9 87.1 93.6 95.5 97.4 97.4 98.1 98.1 98.1 99.4 99.4 99.4 99.4 99.4 99.4 100.01 100 1.9 87.1 93.6 95.5 97.4 97.4 98.1 98.1 98.1 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99		1.9	-	3		-	-									6	99.4
200 1.9 87.1 93.6 95.5 97.4 97.4 98.1 98.1 98.1 99.4 99.4 99.4 99.4 99.4 99.4 100.01 100 1.9 87.1 93.6 95.5 97.4 97.4 98.1 98.1 98.1 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99		1.9	87.1			-	7	-			6	6	6		6	00001	0000
100 1.9 87.1 93.6 95.5 97.4 97.4 98.1 98.1 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99		1.9	-	3	2			-			6	6			6		0000
0 1.9 87.1 93.6 95.5 97.4 97.4 98.1 98.1 99.4 99.4 99.4 99.4 99.4 99.4 99.4 100.01		1.9	-	3			700	2000			6	•	7.66	4.66		0	0000
		1.9		93.0	3	7.02.1-1	-				6	•	4.66	4.66		0.001	0000

TOTAL NUMBER OF OBSERVATIONS

155

72.9 72.9

8.96

8.96

96.8

85.2 85.2 85.2

80.7 80.7 80.7

76.8 76.8

96.8 96.8

8.96 97.4

97.4 98.1

98.7 7.86 98.7

98.7

98.1

7.86 98.7 4.66 4.66

4.66

4.66 4.66

4.66

4.66

4.66

97.4 98.1 98.7 98.7

97.4

4.16

93.6

89.7

6.

88

AI AI

1.68

6.

88

ALAI

89.7

0

93.6

1.68

6. 6.

88

6

900

AI AI

93.6

89.7 89.7

89.7

6

1500

AI AI

6.1

93.6

89.7

93.6

89.7

2000

ALAI

7.86 7.86

98.7

0.0010.0014.66 0.0010.0014.66

CEILING VERSUS VISIBILITY

WAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE

03 HOURS (1 S.T.)

DEC

(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

٨١

Al

٨I

2

(FEET)

59.4 61.3

6.7 6.

12000

6.

59.4 61.3

71.6

1.69

6.1

62.6

6. 6.

00 g

AI AI

71.6

6.1

6.

200

ALA

73.6

6

2000

77.4

6.

81.9

0 6.1

4500

AI AI

85.2

1.68

6. 1.9 6.

3500

AI AI

61.3

99.4

1.9

61.3

6.

1.9

NO CEILING > 20000 VI VI 8000 0000 0000

VI VI

٨١

2 5/16

2 Al 0.09

74.2 74.2 74.2 74.2 74.2 74.8 65.8 65.8 65.8 65.8 62.6 62.6 62.6 62.6 62.6 62.6 62.6 62.6 62.6 62.6 62.6 4.76 85.2 8.96 0.09 4.66 72.9 72.9 72.9 76.8 8.96 89.0 89.0 98.1 7.86 7.86 7.86 80.7 80.7 80.7 80.7 80.7 80.7 80.7 80.7 7.86 98.7 85.2 65.2 0.09 8.96 1.86 2.47 14.8 76.8 4.66 97.4 7.86 62.6 62.6 62.6 62.6 62.6 62.9 62.6 96.8 96.8 65.8 7.86 7.86 * 4.76 74.2 7.66 8.96 7.86 76.8 98.1 65.8 65.8 65.8 98.7 98.7 7.86 98.7 98.7 X NI 85.2 85.2 72.9 74.8 74.2 74.8 96.8 96.8 96.8 96.8 96.8 4.66 96.8 96.8 98.1 98.7 76.8 7.86 0.09 98.1 Al 62.6 1.86 62.6 62.6 62.6 62.6 62.6 98.1 98.1 1.86 72.9 72.9 72.9 72.9 76.8 76.8 76.8 76.8 98.1 98.7 98.7 \ \ \ \ 97.4 97.4 97.4 98.1 97.4 97.4 97.4 98.1 97.4 97.4 97.4 98.1 85.2 85.2 85.2 85.2 85.2 96.8 96.8 0.09 65.8 65.8 65.8 98.1 ٨١ 74.2 74.2 97.4 97.4 98.1 97.4 97.4 ۸I 96.8 96.8 0.00 7 2% 72.9 8.96 74.2 0.09 62.6 64.5 65.8 65.8 76.8 96.8 97.4 80.7 N Al 62.6 65.6 96.1 0.09 72.9 71.0 72.9 74.2 79.4 80.7 83.9 85.2 1.96 96.1 96.1 73.6 74.8 75.5 76.8 87.7 89.0 92.9 94.2 89.7 93.6 96.1 93.6 96.1 93.6 96.1 93.6 96.1 93.6 96.1 89.7 93.6 96.1

TOTAL NUMBER OF OBSERVATIONS

4.66

4.66

97.4

96.1

93.6

89.7

80

AI AI

88

155

DIRNAVOCEANMET

0

SMOS

8

8

*

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNIS JAPAN

73-77

0.6 HOURS (1.5.7.) DEC

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0

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	IBILITY (ST.	VISIBILITY (STATUTE MILES	(53						
(FEET)	0 Al	9 11	\$ 1	, AI	E AI	1 2%	2 4	۲۱ ۲۱ ۲۳	¥1 Y1	-	À AI	* 11	× AI	≥ 5/16	× AI	0 11
NO CEILING		55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1		56.1
18000		57.4	58.1		8		00	80	8		00	00	58.7		58.7	00
	.7	57.4	58.1	58.7		28.1				58.7		2				50.7
1400		4.7.4		200	200	200	58.7	500	58.7	200	500.	58.7	38.7	200		500.7
	1.3	61.3	6.19		62.6	• •		2		2		2	2	2		62.6
3 8		61.3	6119	2	2	2	2	2	0	2	62.6	2	2	2	62.6	62.6
	1.3	66.5	67.7		68.4		4.89	4.89	4.89		4.89			68.4	4.89	4.89
7000	1.3	67.1	4.89			0.69		0.69	0.69	0.69	6	0.69			0.69	0.69
		67.1			0.69	0.69		6		0.69	0.69	0.69		0.69	6	69.0
2 2000	1.3	68.4	2.69	71.0	71.0	•		71.0		-	-	-		-	71.0	•
1		71.0	72.3	73.6	73.6	13.0	3.	73.6		73.6	73.6	13.6	13.6	13.6	73.6	73.6
4000	1.3	75.5	77.4	•		8	78.7		78.7	•	8			8		78.7
	1.3	78.1		2.	2.		2	82.6	2.		2		82.6	2.		85.6
3000	1.3	86.5	91.0		6.76		93.6	•	93.6	93.6	•		93.6	93.6	93.6	93.6
	1.3	87.1	91.6	94.2	95.5	1.96		1.96	9		0	1.96	1.96		1.96	1006
2000	1.3	87.7				4.16	8		98.1	98.1			1.86	98.1	98.1	98.1
	1.3			8. 96	8.96	4.16	98.1	98.1	8	98.1	98.1	98.1	1.86	98.1	1.86	98.1
1500	1.3	87.7	65.3			-	1.86		98.1			0	98.7	98.7	98.7	
	1.3		65.3	4	9	4.4		00	8	48.7			48.7	98.7		98.7
1000				8.46	8.96		7.86				4.66		4.66	4.66	4.66	
	1.3	87.7	6.26	4	•	-	1.86	48.4		6	4.66	6	7.66	4.66	4.66	4.66
008	1.3	87.7	6.26		. 9		18.7	8	8	- I	4.66	4.66	4.66	4.66	4.66	
	1.3		•		0	•	68.7	8	8		4.66		4.66	99.4	4.66	4.66
8	1.3	87.7	92.3	8. 96	8.96	4.16	28.7	48.1	98.7	4.66	4.66	4.66	4.66	99.4	4.66	4.66
	1.3	•	92.3	8.46		4.16	98.7	8		4.06	4.66	4.66	4.66	4.66	4.66	4.66
400	1.3	87.7		:				98.7		0.00	100.0	0	100.00			0.00
8				•		97.4	98.7	98.7			0	0		0	•	0.00
	•	2.10	6.7	:	0	:				0	3	0	5	0	5	
8	•	87.7		•	80.96	4.10	98.7	200	200	0			0	0	•	
	1.3	01.1	26.3	24.0	•	•				0000	0001	0.001	0.001	00001	0.001	0000

TOTAL NUMBER OF OBSERVATIONS

155

* =

0

0

0

0

0

0

0

0

0

0

3

0

0

8

3 =

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

O see

0

0

0

0

0

DEC

200

0.0 HOURS (1.5.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	0	7.7	5.9	3.6	3.6	3.6	4.2	8.9	8.9	5.6	8.6	1.1	1.9	7.4	5.5	7.7	8	5.5	6.8	9.9	4.4	7.4	4.	4.	8.1	8 . 7	9.7	4.6	0.0	0.0	0.0	0.0	0.0
	٨١	4	~	5	~	8	n		N	•		9		•	00	7 8	0	6	8	8	6 4	0			6 7			0	0	010	2	010	
	٧١		52.			53.		56.		62.	65.		76.			87.		95.	96	96.	97.	97.	97.	97.		.86		•	00	0	00	00	00
	5/16		•			•				9.		.1							. 8			*			1.	. 1	•	4.	•	0.0	•	0.0	
	AI .	4	~	S	~	2	2	-	S	9	•	0		-	•	80	0	9	0	0	0	64	0	0	98	0	0	0	0	2	2	000	0
	Z Z	47.7		•		53.6	;			2.	3		•	-	3	1.		3	;	0	7.	97.4	-	1.	98.1			6	0	•	0	0000	•
	*		6	9.	9.	9.				9.		.1.		*					8	00	*	3.	4.	*		. 4	. 7		-	-	-	0	-
	Al	4	-	5	5	53	5	99	S	9			16		85	-	4	98		0	-	97			86	86		0	2	10	2	00	2
	*	7.	5	3	3	3	4	9.9		2.6		•				7.7					7.4	97.4				8.7		6	0		0	0.0	•
		7 4	_			6 9		8 5		9 9		1	1	-		-		-	1 9			6		0	80	6 4		1	110	110	110	100	100
ES)	ŽÍ.	723	10.00		53.	53.			56.		65		76.			87.			96			96			96			98.		1	23	6	98
TE MIL	7.1			•	•	3.6		8.9			5.8		1.9		4.5				5.5		•	6.1	2.1	1.9	6.1	9.8	•	7.4	1.4	4.	4.	1.4	7.4
STATU	ΑI		~	8	5	3	•	S	~		9					100	0	0	5	0	6	6		1 9			0	6 5	0		0 4	4	4
VISIBILITY (STATUTE MILES	¥ .	7.	2	3	3	53.		96.			65.		76.		84.	7.		;		3		96.		96.				97.	97.	97.	97.	67.	97.
VISI	2	1.7		•	9.1	•		00				-	7:										-:	7.	-		•	.00	•				•
	Al		52	*		5			36					-		00	0	0		0		5 96		9			96	96	96 1	96		96 1	
	2 2%	7.	2.	3	53.6			. 9	56.	5.	65.		76.1	-		87.	;	*	94.8	4		95.	3	•	98.5		96.1	96		96		96	
		1.	.3	•	0.	6.	•	7	7													•	9.	9.	•						•	•	•
	ΑI	47	52	52	-	10		56	36		65	c		-	®	00	6	0	0	0	0	69	0	0	6	0	0	6			0	5	_
	4	47.	52.3	52.9	52.9	2	53.6	56.1	56.1	-	65.2				2	5	2.	3		2	2	65.0	2		2			93.6	3	•		•	
	•	. 8	0	0	9.	9.						_		_		-		-		_		0.										0.	_
	Al	45	3		_	_		-	53	-		-	-	-	ř	8	80	-	-	-		68		89	89	89	89	89	89	68	89	88	83
	۰ ۸۱	5.	0.3	-	1.0		11.0		12.3		10.7		1.69		6.8	18.7						86.5		6.9	16.5	16.5	16.5	16.5	16.5			16.5	
-																		1		1										Adams .			
	01 10	23.9	56	26	26	26	56	26	26	28	28	28	32	34	36	37	0	04	04	40	40	04	40	04	40	04	404	40	40	04	40	40	40
NO	E	LING	000	900	16000	8	12000	8	0006	000	2000	900	2000	200	4000	200	3000	900	2000	900	1300	300	1000	8	00	200	99	200	400	300	200	8	•
CEILING		NO CEILING	۸I	VI	2		2	1 -	AI		IAI		IAI		1 11		INI		IAI		IAI		۸I		A			AI	AI		AI	AI	٨١

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUNI, JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

12 HOURS (1 \$ T.) DEC

8

8

30

3

63.2 75.5 67.1 0.0010.0100.0100.0100.06 0.0010.0010.0010.0014.66 92.3 92.3 92.3 92.3 96.1 1.96 98.1 ٨١ 97.4 1096 1.86 98.1 98.7 55.5 61.9 67.1 75.5 98.1 93.6 63.2 64.5 1.96 98.1 63.2 63.2 78.1 ٨I 75.5 64.3 97.4 55.5 93.6 1.86 45.8 46.5 55.5 55.5 61.9 61.9 63.2 63.2 67.1 67.1 1.96 98.1 98.1 7.86 78.1 98.7 96.1 98.1 93.6 75.5 4.16 1.86 7.86 78.1 1.96 64.5 46.5 1.96 98.1 7.86 63.2 63.2 98.1 98.1 63.2 1.19 97.4 55.5 6119 6.26 93.6 75.5 44.5 40.5 49.7 55.5 64.5 1.96 98.1 98.1 98.1 98.7 78.1 96.1 98.7 98.1 * 63.2 92.3 46.5 619 75.5 1.96 55.5 63.2 67.1 93.6 4.16 1.86 7.86 49.7 64.5 1.96 98.1 1.86 98.1 47.1 55.5 78.1 7.86 % AI 77.4 46.5 61.9 91.6 55.5 55.5 63.2 63.2 63.2 74.8 95.5 96.8 8.96 8.96 8.96 97.4 49.7 55.5 55.5 64.5 64.5 4.16 98.1 98.1 95.5 96.8 98.1 98.1 67.1 98.1 98.1 ٨I VISIBILITY (STATUTE MILES) 96.8 8.96 96.8 63.2 74.8 77.4 91.6 65.6 95.5 95.5 4.76 4.76 4.7.6 4.76 96.8 4.76 67.1 96.8 4.79 61.9 49.7 49.7 46.5 91.6 95.5 77.4 95.5 8.96 4.76 4.76 63.2 63.2 8.96 55.5 55.5 64.5 92.9 8.96 8.96 4.16 4.76 4.16 55.5 55.5 67.1 74.8 61.9 61.9 63.2 63.2 8.96 91.6 8.96 8.96 4.16 4.16 74.8 17.4 95.5 4.16 64.5 6.26 96.8 4.16 46.5 49.7 95.5 96.8 67.1 8.96 97.4 ۸I 73.6 64.5 91.6 98.5 95.5 95.5 95.5 95.5 45.8 89.7 90.3 94.2 95.5 95.5 51.6 53.6 54.8 55.5 55.5 62.6 63.2 58.1 60.7 62.6 63.2 67.1 47.7 61.3 61.9 75.5 76.1 93.6 94.2 1 2% 46.5 72.9 46.5 47.7 47.7 0.16 2.76 2.46 2.46 66.5 34.5 61.9 63.9 93.6 94.2 53.6 54.8 94.2 94.2 94.2 44.5 ۸I 85.2 89.0 87.7 92.3 92.3 92.3 73.6 91.6 29.4 64.5 71.0 92.3 87.7 92.3 92.3 92.3 60.7 92 ٨I 45.2 58.1 83.9 59.4 56.8 61.3 47.7 51.6 87.7 87.7 87.7 87.7 87.7 87.7 87.7 Al 45.2 0.65 65.2 82.6 85.2 85.2 85.2 43.9 55.5 56.8 81.3 85.2 85.2 85.2 54.2 58.8 85.2 85.2 58.7 52.3 85.2 AI 27.1 25.2 31.6 34.8 32.3 52.3 29.7 40.0 50.3 52.3 27.7 32.3 33.6 50.3 52.3 52.3 52.3 52.3 52.3 50.97 29.7 38.7 52.3 52.3 52.3 52.3 52.3 2 NO CEILING 20000 VI VI 0008 1 0008 12000 3000 1000 88 88 80 900 000 2000 88 (FEET) 900 450 2000 500 88 AI AI AI AI ALA AI AI AI AI ALAI ALA AI AI AI AI ALAI ALAI

TOTAL NUMBER OF OBSERVATIONS

155

-

DIRNAVOCEANMET

0

0

0

0

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

I WAKUNI, JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DEC

1

15 HOURS (1 S T.)

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	(53)						
(FEET)	2	9	S AI	4	e Al	Y 2%	7	VI 71	¥1 ×1	- -	¾ Al	*	Z Al	≥ 5/16	N N	٨١
	;			45.6	45.6			45.6	2.	45.6	3	45.6	2.	45.6	45.6	45.6
> 20000	36.8			45.8	•		45.8		•	45.8	3		•			45.8
				46.5			•	46.5	•	•	.0		46.5		46.5	46.5
V 16000	•		46.5	46.5	46.5	46.5	.0	46.5	46.5	46.5			•		46.5	•
	2				8			48.4			8					
12000	37.4	47.1	49.0	49.7	49.7	6	49.7		6	49.7	49.7	49.7	49.7	49.7	49.7	49.7
-					3	52.9	2.	52.9	2	52.9	2	2	2			52.9
0006	39.4	49.7	51.0	52.9	52.9	5		52.9		2			5	2.	52.9	52.9
					-		7.		-							57.4
141	3	55.5	57.4	59.4	59.4	59.4	29.4	59.4	59.4	59.4		29.4	6		59.4	
		0			0	0	0	0	0	0	0			0		
0005		0		63.8	63.8				63.9	•	*					3
1		-	63.9	5		65.8	5		5					65.8	65.8	
141	49.7			71.6		2		72.9	72.9	2	2.	2	2	2.		72.9
		2		÷	80											
3000	63.2		88.4	-				2	6.26		3	3			•	
					2.	92.9	5.	65.6	3	•	93.6	93.6	3			
7 2000		-	90.3		2.46		. 4	;	;	Š	3					
	3	87.1		65.6	2.46	8.76	95.5	95.5	95.5	96.1	96.1	1.96	8.96	96.8	96.3	8.96
> 1500					1.96	. 9			-				8		•	
	3.		91.6	8.46	1.96	8.96	4.16		4.16	98.1	98.1	98.1		98.7		
1000	3	88.4	91.6	*	1.96	8.96	97.4	4.76	4.16			œ	8		4.66	4.66
	3			•	1.96	8.96	4.16		4.76	98.1	98.1	1.86	1.86	98.7		
00 AI		8.			1.96	9	:								4.66	
	3.	88.4	91.6	8.46	1.96	•	4.16	4.76	4.16	98.1	98.1	98.1	48.7	98.7	7.66	4.66
98		*	•	4	1.96	9			97.4					98.7	•	4.66
	*	89.0		•	•	7		1.96				1.86	•		0	0.00
N 40		6			8.96					98.7	98.7	98.7		99.4	100.0	0.00
300	63.9	89.0	92.3	65.5	8.96	4.66	1.86	98.1	98.1	48.7	98.7	98.7	4.66	4.66	10000	0.00
> 200	3					4.16				98.7				4.66	100.00	0.00
901	3.	. 6	6.26	62.8		4. 16	1.86	1.86	1.86	98.7	1.86	186	•		0	0.001
٨١	3		92.3	93.5	8.96	97.4		98.1		7.86		98.7	4.66	99.4	0000	0.00

TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

0

0

0

0

0

0

0

0

0

0

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IWAKUNIS JAPAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DEC

1

1.8 HOURS (1.5.7.)

TOTAL NUMBER OF OBSERVATIONS

155

SMOS DIRNAVOCEANMET

20

0

0

0

0

0

43324 STATION

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

I WAKUNIS JAPAN

DEC

CURRENCE	ONS)
PERCENTAGE FREQUENCY OF OCCURRENCE	FROM HOURLY OBSERVATIONS
GE FREQUE	M HOURLY
PERCENTA	(FRO

CEILING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	(53						
(FEET)	5 VI	۰ ۸۱	\$ 1	4	e Al	Y 2%	AI	VI 2.	VI 7.	- -	% AI	*	% Al	≥ 5/16	N AI	0 11
NO CEILING	1.9	50.3	52.9		54.8	54.8	54.8	54.8	54.8	54.8	54.8	59.4	59.4	59.4		54.8
N 18000		:	57.4	59.4		29.4		6	6	1100			6		59.4	
N 16000	1.9	,	58.1	0.09	0.09		0.09	0.09	0.09	0.09	0	0		0.09	0	0.09
N 14000		. 4	58.1		0.09	0.09	0.09	0.09	0	0.09	0.09	0.09	0000	•	0.09	0.09
≥ 12000	1.9	.9	29.4	61.3		•	-		61.3	-	-		-		-	61.3
≥ 10000		.9			2.	9.29	2.	•	2.	100	62.6	2.	62.6	•	2.	9.29
0006 ~1	1.9	. 9	0.09	9.29	•	•	62.6	9.79	62.6	62.6	2.		2	2.		9.29
	•	1.		67.7	1.19		7.	67.7	•	67.7	7.			67.7		67.7
> 7000	1.9	1.	65.2	67.7	67.7	67.7	-	•	7.		7.	67.7	1.	67.7		67.7
		-		67.7	67.7	7.	8	•	8		80			8	8	
≥ \$000		3		71.0		71.0		71.6	71.6	-	-	-	71.6	71.6	71.0	
		-	71.6	74.8	14.8	24.8	75.5	75.5	75.5	78.5	75.5		75.5	75.5	75.5	75.5
000 1 AI				78.7	6	6			0	.0	0	0	0	0	0	
				81.3	81.9		2.	82.6	2.	82.6	82.6	82.6	82.6	82.6		82.6
> 3000			87.7	92.3	2.	6.76		3	93.6		•					
> 2500		3		34.2		. 4		95.5	95.5	95.5	65.5	95.5	95.5	95.5	95.5	95.5
> 2000	5.6		90.3	1.96	1	4.16	1.86	1.86	8						8	
≥ 1800	9.2	2	6.06	1.96		7.	98.1	1.86	98.1	98.1	1.86	98.1	1.86	98.1	98.1	1.86
	•	3		96.1	4.76	4.16	98.1	1.86	8						8	
		. 5		1.96	98.1	1.86	8	98.7	48.7		1.86	8			68.7	98.7
VI 000	5.6		6.06	96.1	1.86	98.1	7.86	48.7		48.7		8	98.7	98.7		48.7
006 AI	•	2	8006	1.96	98.1		7.86	1.86		48.7	1.86	8	98.7		48.7	7.86
	•			96.1	98.1			48.7	•		8	18.1		98.7		7.86
700		. 6	6006	1.96	1.86		68.7	48.7					4.66	4.66	4.66	4.66
009 <	•	2		1.96	98.1	98.1		98.7		4.66	6	4.66	4.66	4.66	•	4.66
200		3.		1.96	98.1	98.1	4.66	4.66	14.66	00.00		00.00	00.00	0000	100.00	0.00
N 400	•			1.96		98.1	4.66	4.66	14.66	ċ	0	00.00		00.00		0.00
30	5.6		6.06	1.96		98.1	4.66	4.66	14.66		00.00	00.00	00.00	0.00		0.00
× 200	•			96.1	1.86	98.1	4.66	4.66	14.66	00.00	00.00	00.00	00.00	00.00	10.00	0.00
91		3.	90.3	1.96	98.1		4.66	7.66		0000	00.00	00.00	00.00	0.00	10.00	0.00
0	•		90.3	1.96	1.86	98.1	9.66	4.66	14.66	00.00	0000	00.00	10.00	00.00	100.00	0.00

TOTAL NUMBER OF OBSERVATIONS

0

0

MEATHER SERVICE DETACHMENT, ASHEVILLE, NO

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (LS.T.)

8 2

DEC

0

0

CERTING							VISI	BILITY (ST.	VISIBILITY (STATUTE MILES)	ES)						
(444)	2	٥ ٨١	% AI	1	E AI	1 2%	7 1	¥1 Y	¥1 YI	- 1	% Al	* AI	% Al	≥ 5/16	N N	AI O
NO CEILING	2	50.	51.8	52.6	52.6		52.7	52.7	52.7	52.7	52.7		52.7	52.7	52.7	52.
≥ 20000					55.9	56.0	56.0			56.0	56.0			56.0	56.0	
V 18000	-	53.			.0	9			56.5	. 9	56.5	.0			•	56.
14000	-	53.		56.5	56.6	56.7				56.7	56.7		56.7		56.7	56.
		54.				-	57.3	-							57.3	
12000	3	54.	-	57.8	57.9	58.1	00		58.1	8	58.1	58.1			58.1	58.
	:	57.		0		-	-	-		-	-	-		-	61.2	61.
0006	:		59.4	8.09	61.1	61.2	2.19	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.
1	:	62.			•	9	.0	•			6.99			9	•	
141		63	62.9	67.6	61.9		68.1		68.1	68.1		8		68.1		68.
1		63.			8	œ	00		80	8	8			80		.89
2008		66	-	71.0	71.4	71.5	71.7	711.7	711.7	711.7	711.7	-	-	-	711.7	1:
1	1	69		3.	4.	*		4		4	4	4				74.
1 11	-	74.	:	79.0	79.7		80.2	0		·	0	ò	0	ò	0	80.
	-	76.		2	2.	3	3.	3			4	3				83.
3000	~	85.	:		4.26	92.8	93.2	93.2				93.5		3		93.
1	~	86.		2	*	3	10		3		95.1	3	3	5	3	95.
1 1 1	~	87.		94.2	95.4	95.8		4.96		.9					•	96
	2	87.		*	5	5		0	9		6.96	9	9	6.96	6.96	96.
141	-	87.	91.3	4.7	6.56	96.5	-	97.3	97.3	97.6	97.8	97.8	97.9			98.
1	~	87.		1.76		9		-	-	00	68.3		20	98.4	98.5	98.
000	~	87.	•			9	7.16	7.	-	98.2		8	8			98.
	~	87.	•	4.7										8		.86
8		87.	•	94.7	96.2	. 9	7.16		-			8	8			98
1	2	87.				.0	-		•				6		6	66
8	~	87.	91.3	8.96	6.96		0.86	98.1	8	98.6	0.66	6	0.66	6	99.5	66
	~	87.			9	.0			8	0	66.3		6			.66
141	-	87.	•	8.46	4.96	6.96	98.2	•	98.3	0.66	4.66	6		6	6.66	66
	~	87.	91.4			6.96	8	6.86	8		6	6			0.001	00
141	~	87.	91.4	94.8	4.96	6.96		98.3	•	0.66		66.8	49.1	•	0.001	.001
	2	87.	91.4	94.8	4.06	6.96		98.3	6.36	0.66	6			6	10000	00
111	22.9	87.3	91.4	94.8	4.96	6.96	98.2	98.3	98.3	0.66	99.5	99.5	1.66	89.8	100.0	.00

0

TOTAL NUMBER OF OBSERVATIONS

1240

3

0

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

IMAKUMI, JAPAN

43324 STATION

STATION NAME

73-77

* =

ALL

8

ALL HOURS (LST.)

5

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

NO CEILING

0

0

> 20000 VI VI 0009 1

(FEET)

10

VI VI 000 000 000

0

2000

2000

0

4000

1

The state of the s

3000

2500

17000

٥	3.8	0.3	6.0	1.0	2.1	3.8		9.2		6.1	•	•				1.0	•		•	5.5				8.2	•	•	9.5		9.6	6.6	0.0	0.0
	4	5	5	5	5	5	8	2 5	5 6	7	9	0	-	-	-	00	4	8	6 0	2 9	0	0	0	0	6	0	0	0	0	0	2	2
۸I	43.	50.	50.	3	52.	53.		59.		99	99	69	=	1:	79.	87.		92.		95.	96	97.	97.	98	98	98	66	99.	66	66	66	66
≥ 5/16										66.1											•										8.66	
Z Al	3.	0	0	-	2		8	6	*	1.99	. 9	6	-	7	6	1.	0	2	3.	2		-					6	6		6	6	
*	3.	0	ò	-	2.	3.	8	6	*	1.99	.9		-	-	6	-	ċ	5	3.	3	2	-	:		80	8	6	6	6		5.66	0
% AI	3	•	0	:	2.	3.	8	6	*	1.99	9	6	-	7.	6	1.	0	3.	3.	5	3	7		*	8	8	6	6	6			0
Ā		0	0	-	2	•		6	4	1.99	9	6	-		0		0		è	*	3	.9	-	-	-	*	*			8		
71 71	6	0	0	-	2	3	8	6	*	66.1	9	6	-		6		0	3	2.		5		.0	;	9	-	-	-	7	-	-	1.
71 %	3	0	0	-	2				4	66.1		6	-		6		0	2.	2		5				9			-	-		97.1	97.1
Al	3.			-	2.	3	80	59.1	4	0.99	0	6	-	.9	6	. 9	6	:	2	3	*	·	3.	3		5	3	5	3	2	5	5.
> 2%	œ.	0	0	•	-	6	80	58.8	*	65.6	.0	6	0	.0	00		8	0	0	2	2	103							507	•		
6 VI	3.	6	0	0	-	3	8		3	65.0	5		0	5	8	;	-	6	6	0	0	-	-	-	-	-	-	-	-	-	-	91.7
AI	2.		.6	0	0		.0		2.	63.5	*		00	3	5	2	,		•			-					-	-	1.	87.7	1.	87.7
\$9 Al	0	.0	•	-		6		;	8	59.8	0	2	4		-		6			0	0	-	-	-	-	-	-	81.1	-	61.1	81.1	81.1
o Al	2						8	6	2.	54.1	3			-	3		0	-	-	~	2	2	3	2							72.3	
5	0		2	2	2	13.1	*	14.2	5	15.3	3			-	8	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0

1200

0

88

88

MINI

0

1500

AI AI

0

88

AI AI

0

88

AI AI

80

ALAI

0

TOTAL NUMBER OF OBSERVATIONS

14608

1000

3

3

SMOS DIRNAVOCEANMET

LAN HONTH

IWAKUNI, JAPAN

43324 STATION

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73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH FEB

1

SKY COVER

IMAKUNIS JAPAN 43324 STATION

0

(1)

0

0

Service Restriction

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1	HOURS				PERCENTAG	E FREQUENC	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	S OF TOTAL	SKY COVER				MEAN	TOTAL
MONIH	(L.S.T.)	0		2	3	1	5	9	7	8	6	01	SKY COVER	OBS.
#68	00	12.8	4.0	7.8	11.3	8.5	3.5	4.3	4.3	3.5	4.0	31.2	5.6	141
	03	11.3	5.0	8.5	9.2	5.0	4.3	4.3	5.7	7.8	2.8	36.2	6.1	141
	90	10.6	3.5	4.0	7.1	7.8	4.3	4.3	7.8	9.5	4.3	34.8	6.9	141
	60	7.8	4.0	4.3	13.5	2.8	7.1	4.3	3.5	9.2	5.7	35.5	6.3	141
	12	5.7	2.1	3.5	5.7	7.8	2.8	3.5	15.6	14.2	5.0	34.0	7.0	141
	15	3.5	4.3	3.5	5.7	3.5	5.7	7.1	11.3	11.3	8.	35.5	7.1	141
	18	4.9	4:3	2.8	12.1	7.1	7.1	7.1	5.7	6.6	5.0	32.6	4.0	141
	21	11.3	5.0	12.8	10.6	7.8	5.0	2.8	2.8	8.5	4.0	27.0	5.5	141
TOTALS	AIS	8.7	4:0	6.2	9.4	6.3	5.0	1:4	7.1	9.2	5.5	33.4	6.9	1128

MONTH MAR

2 0

3

3

3

SKY COVER

0

43324 STATION

IMAKUNI, JAPAN

STATION NAME

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN	TOTAL
MONIH	(L.S.T.)	0	-	2	3	4	5	9	7	8	6	01	SKY COVER	OBS.
MAR	00	25.2	6.9	7.1	5.8	3.9	4.5	9.2	8.4	1.9	1.3	32.9	5.1	155
	60	16.8	5.2	5.5	7:7	5.5	3.9	5.5	5.2	9.0	5.5	31.6	5.8	155
	90	12.3	3.9	7:7	8.4	4.8	5.2	3.2	4.8	7.1	5.6	32.9	5.9	155
	60	13.5	7.1	5.8	5.5	6.5	0.6	••	5.8	7.7	4.5	34.2	5.9	155
	12	7.1	4.5	3.2	5.8	7.7	3.2	6.5	10.3	7.1	7.7	36.8	6.9	155
	13	5.8	5.8	7:1	5.8	4.5	3.2	5.8	9.0	12.3	4.7	31.0	0.0	155
	1.8	11.0	3.2	6.5	0.6	6.9	8.8	4.5	5.2	13.5	8.	29.0	6.1	155
	21	18.7	6.5	5.8	11.6	3.9	9.2	1.9	7.7	5.8	3.9	31.6	5.4	155
											84			
TOT	TOTALS	13.8	5.3	9:1	7.4	8.8	4:1	3.8	7.5	1:8	5.1	32.5	0.9	1240

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SKY COVER

43324 STATION

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IMAKUNI, JAPAN

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	E FREQUENC	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	S OF TOTAL	SKY COVER				MEAN	TOTAL
MONTH	(LS.T.)	0	-	2	3	,	32	9	7	8	6	10	SKY COVER	NO. OF
MAY	00	18.1	5.6	3.2	7.1	5.8	5.2	2.6	5.8	3.2	5.2	41:3	6.2	155
	60	14.8	3.9	5.5	1.9	7.1	3.9	1.9	5.8	7.1	4.8	40.0	6.5	155
	90	4.5	4.5	7:1	5.2	9.2	1.3	9.2	6.5	11.0	10.3	44.5	7.4	155
	60	10.3	1.9	1.9	5.6	7.1	4.5	3.2	3.9	8.4	7.7	48.4	7.3	155
	12	7.1	5.5	4.5	4.5	3.9	9.2	5.6	6.5	9.0	7.1	47.1	7.2	155
	13	6.5	5.8	5.5	1.9	3.9	1.3	3.9	4.5	11.6	12.9	45.6	7.3	155
	18	7.1	3.2	4.5	4.5	***	3.9	1.9	5.2	12.9	7.1	45.2	7.3	155
	12	12.3	5.6	5.5	6.5	3.9	1.9	5.2	5.8	4.5	8.4	43.9	6.8	155
										24,	इंग्रे			
5	TOTALS	10.1	3.7	4:6	4:3	4.9	3.1	3.0	5.5	8.5	*	::	7.0	1240

ALCONOMIC STATES

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(6) (5)

SKY COVER

43324 STATION

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IMAKUNIS JAPAN

STATION NAME

13-11

ERCENTAGE FREQUENCY OF OCCURRENCE	V ORSEDVATIONS
FREQUENCY	PARC VIGILION A
ERCENTAGE	/EDOAA

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER
0
3.3 1.3 7.3 4.0
3.3 4:0 8.7 6.7
2.7 4.0 4.0
2.7 1.3 4.7
5.3 3.3 4.0 4.0
4.7 5.3 2.7
2.0 4.7 8.0
3.4 3.7 5.8 4.9

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SKY COVER

IMAKUNIS JAPAN 43324 STATION

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STATION NAME

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	E FREQUENC	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	S OF TOTAL	SKY COVER				MEAN	TOTAL
MONIH	(LS.T.)	0		2	3	7	5	9	7	8	٥	01	SKY COVER	OBS.
NOT	00	6.7	4:7	7.3	3.3	4.7	0.9	3.3	6.9	0.9	2.0	46.7	7.0	150
	60	9.3	2.7	2.0	0.9	8.0	5.3	1.3	6:7	6.7	7.3	44:7	7.0	150
	90	5.3	2.0	4:7	4:0	4.7	2.0	2.7	11:3	10:01	5.3	48.0	7.6	150
	60	2.7	5.3	2.7	4:7	2.7	3.3	2.0	0.9	15,3	8.7	46.7	7:7	150
	12	1.3	1.3	4:7	2.7	5.3	0.9	0.9	10:7	10.0	5.3	46.7	7.8	150
	15	1:3		3.3	4:7	0.4	4.7	3.3	10.7	7.3	14.7	46.0	8.1	150
	18	2.0	1.3	3.3	0.0	4.7	3.3	0.9	€.€	10.0	10.7	49.3	7.9	150
	12	2.0	2.7	2.7	7.3	1.0	5.3	4.7	5.3	10.0	0.4	49.3	7.6	150
TOTALS	4LS	3.8	2.5	3.8	6.4	5.1		3.7	7.9	4.6	7,3	47.2	7.6	1200

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SKY COVER

IMAKUNIS JAPAN 43324 STATION

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STATION NAME

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	08S.	155	155	155	155	155	155	155	155		1240
MEAN	SKY COVER	7.0	7.0	7.4	1.4	7.3	7.3	7.4	7.1		7.2
	10	40.6	36.1	30.1	32.9	29.0	25.2	32.3	32.9		33.6
	6	7.1	9.7	15.5	10.1	16.1	18.7	18:1	11.6	The state of the s	14.1
	8	7.1	0.6	0.6	10.3	17.4	17.4	11.6	12.3		11.8
SKY COVER	7	7.6	6.9	0.6	11.0	5.8	7:7	8.4	4.8		8.3
OF TOTAL S	9	3.2	3.9	2.6	5.0	3.2	5.5	1.9	4.5		8.8
OF TENTHS	5	5.2	6.9	5.5	6.9	4.8	4.5	5.8	5.2		5.0
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	4	5.5	7.1	3.9	5.5	7.7	8.8	5.8	0.6		6.2
PERCENTAGE	3	5.2	5.8	7.1	3.2	5.8	9.0	11:0	4.8		6.0
	2	7:7	4.5	3.2	4.5	5.6	3.2	5.6	3.2		3.9
	-	4.5	3.5	5.6	1:0	3.2	3.2	5.6	1.9		5.9
	0	4.5	5.8	3.9	5.6	9.			5.6		2.5
HOURS	(L.S.T.)	00	63	90	60	12	15	18	12		SI
	MONIH	Jul									TOTALS

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SKY COVER

IMAKUNI, JAPAN 43324 STATION

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73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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2	1 2
7.1 11.0	
9.0 11.6	
6.5 10.3	-
1.9	2.6 1.9
5.8	4.5 5.8
3.9 6.5	
5.8 8.4	
5.8 17.4	
8.7 10.2	-

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SKY COVER

43324 STATION

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IMAKUNIS JAPAN

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAC	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	Y OF TENTH	S OF TOTAL	SKY COVER				MEAN	TOTAL
MONIN	(L.S.T.)	0		2	3	4	5	9	7	8	6	01	SKY COVER	OBS.
SEP	00	16,7	1,3	5,3	5.3	10.7	4.0	0.4	1:9	6.7	7.3	32.0	0.9	150
	03	16.0	3.3	6:7	4.7	5.3	4.7	2.7	6.7	9.3	8.7	32.0	6.1	150
	90	0.4		6.7	11.3	5.3	4.0	.7	8.0	12.7	6.3	37.3	7.1	150
	60	5.3	2.7	0.9	5.3	4.7	3.3	3.3	6.0	15.3	12.0	36.0	7.2	150
	12	1.3	1.3	6:7	8.7	0.9	6.0	8.0	6.0	11.3	12.7	32.0	7.1	150
	13	2.0	1.3	2.0	6.3	10.7	5.3	0.4	6.0	13.3	16.0	30.0	7.2	150
	18		2.7	.,	8.7	3.3	0.9	L.4	1.8	12.0	15.3	33.3	7.3	150
	12	10.7	4:7	4:7	6.0	5.3	6.7	4.0	8.0	4:0	8.7	37.3	6.5	150
		1	-d						3					
TOTALS	ALS	7.6	2.3	4.9	7.4	4.9	9.0	3.9	7.0	10.6	11.3	33.7	9.9	1200

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SKY COVER

STATION NAME IMAKUNI, JAPAN 43324 STATION

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PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	E FREQUENC	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	OF TOTAL	SKY COVER				MEAN	TOTAL
MONTH	(L.S.T.)	0	-	2	3	1	5	9	7	8	6	01	SKY COVER	NO. OF
100	00	24.5	5.8	4:5	3.2	3.9	3.2	1.9	5.2	7.1	5.8	34.6	5.6	155
	03	20.6	5.5	6:5	9.0	7.7	3.2	2.6	5.5	1.9	3.2	34.8	5.4	155
	90	6.5	9.0	9:7	10.3	4.8	4.3	9.	en en	5.8	9.6	33.5	5.9	155
	60	10.3	10.3	3.2	9.0	4.5	3.9	3.9	5.8	6.5	11.0	31.6	6.1	155
	12	6.5	4.8	3.8	4.4	3.9	7.1	2.6	æ.	10.3	0.6	31.0	6.3	155
	15	7.1	5.5	8.4	7.7	4.5	1.9	1.3	7:7	11.0	14.2	31.0	9.9	155
	1.8	5.2	6.5	11:0	4.8	3.9	7.1	1.9	5.2	7.7	7.1	36:1	4.4	155
	21	18.7	3.2	5.8	7:7	3.9	*	1.3	7:7	6.5	4.5	36.1	5.9	155
TOTALS	ST	12.4	6.7	6:9	8.1	5.1	*:	2.0	6:1	7.1	7.6	33.6	0.9	1240

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SKY COVER

43324 STATION

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STATION NAME IMAKUNIS JAPAN

73-77

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	150	150	150	150	150	150	150	150	1200
MEAN	SKY COVER	4.5	4.3	8.4	5.6	6.3	6.3	5.7	4.9	5.3
	10	24.0	20:7	17.3	18.0	20:7	25.3	22.0	25.3	21.7
	6	1.4	2.0	3.3	14.7	10.7	10.0	5.3	9.9	8.0
	8	6.7	2.7	10.0	8.7	16.7	6.6	12.0	0.0	0.6
SKY COVER	7	1.3	9.3	10.01	5.3	10.7	12.7	9.3	0.9	1.8
OF TOTAL	9	4.7	6.7	2.7	0.0	2.7	2.7	0.0	2.7	4.
OF TENTHS	5	2.7	2.0	1.3	0.0	2.7	8.7	4.7		3.9
PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	4	4.7	7.3	8.7	1.0	10.0	7.3	1.8	9.0	12
PERCENTAGE	3	5.3	7.3	10.7	10.0	8.7	7.3	6.7	8.0	0.8
	2	8:7	4:7	13.3	5.3	8.0	4.0	11.3	8:7	0.0
	-	8.7	6.6	7.3	12.0	5,3	2.0	4.7	8.0	7.2
	0	7.85	28.0	15.3	7.3	4.0	10.7	9,3	20.7	15.5
HOURS	(L.S.T.)	00	03	90	60	12	15	80	12	SIN
	MONIH	NON								TOTALS

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SKY COVER

IMAKUNIS JAPAN 43324 STATION

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73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAC	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	CY OF TENTH	S OF TOTAL	SKY COVER				MEAN	TOTAL
MONIH	(L.S.T.)	0	-	2	3	1	2	9	7	8	6	01	SKY COVER	OBS.
DEC	00	20.0	8.4	6.5	10.3	4.8	6.5	3.9	5.2	8.4		22.6	4:7	155
	03	19.4	10.3	8.4	8.4	7.1	5.2	6.9	3.9	6.5	3.2	21.3	4:7	155
	90	20.0	5.2	9.7	7.1	4.	3.2	4.5	7.1	6.5	7.7	20.6	5.0	155
	60	8.4	0.6	12.3	5.8	4.	1.3	4.5	10.3	0.6	11.0	20.02	5.0	155
	12	5.6	9.7	8.4	7.1	7.1	7.1	3.9	7.6	12.9	4.0	23.2	6.1	155
	15	5.2	4.5	6.5	7.6	11.6	3.2	3.9	11.6	0.6	12.3	22.6	6.2	155
	18	10.3	5.8	9.4	12.3	5.8	6.9	1.9	12.3	9.7	9.0	18:1	5.5	155
	21	19.4	5.2	0.6	6.5	80	6.5	3.9	4.5	12.3	8.8	21.3	5.2	155
101	TOTALS	13.2	7.3	8.7	4.0	7.8	6:4	1:,	8.1	6.9	7.2	21.2	5.4	1240

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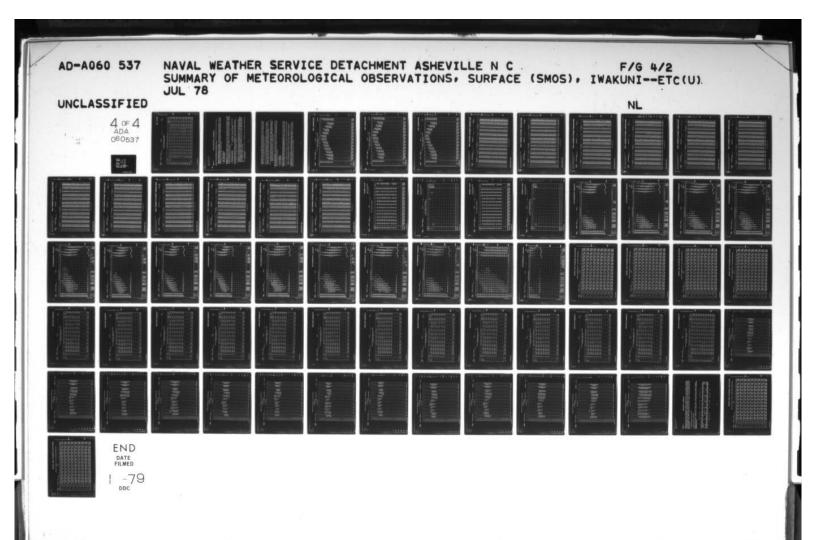
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SKY COVER

IMAKUNI. JAPAN STATION

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STATION NAME

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PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAG	E FREQUENC	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER	S OF TOTAL	SKY COVER				MEAN	TOTAL
MONTH	(L.S.T.)	0	-	2	3	4	2	9	7	8	6	02	SKY COVER	NO. OF
JAN	ALL	10.4	9.9	7.3	8.1	4.9	8.3	4.4	9.4	6.6	9.8	21.6	5.7	1240
FEB		8.7	4.6	6.2	9.4	6.9	5.0	4.7	7:1	9.2	5.5	33.4	6.9	1128
MAR		13.8	5.3	6:1	7.4	8.8	4.7	3.8	7.5	6.1	5.1	32.5	0.0	1240
APR		12.3	3.4	3.7	5.8	4.9	2.7	2.9	. 4	7.7	7.7	44:3	6.9	1200
MAY		10.1	3.7	4.6	4.3	6.4	3.1	3.0	5.5	8.5	8.4	**:1	7.0	1240
SON		3.8	2.5	3.8	4.8	5.1	4.5	3.7	7.9	9.4	7.3	47.2	7.6	1200
JUL		2.5	5.9	3.9	6.9	6.2	5.9	3.8	8.3	11.8	14.1	33.6	7.2	1240
AUG		5.7	3.9	5:7	10.2	7.3	0.9	4.4	10:0	12.7	♦*11	22,8	6.3	1240
SEP		7.6	2.3	4.9	7.4	4.0	5.0	3.9	7.0	10.6	11.3	33.7	9.9	1200
100		12.4	6.7	6.9	8.1	5.1	4.4	2.0	6.1	7.1	7.6	33.6	6.0	1240
NOV		15.5	7.2	8.0	8.0	7.7	3.9	4.3	8.1	0.6	6.8	21.7	5.3	1200
DEC		13.2	7.3	8:7	8.4	7.8	4.9	4.1	8.1	9.3	7.2	21.2	5.4	1240
0	TOTALS	9.7	4:7	8.8	7:4	6.9	4.7	3.8	7.5	4.4	8.4	32.5	4.0	14608

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

- Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
- Daily maximum temperature
 - . Daily minimum temperature
 - . Daily mean temperature
- deviations are computed for months and annual when four or more values are present for any column. Two tables Extreme values - derived from daily observations with extreme value given for each year and month of record for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard available. Extremes are provided for a month if all days for a month contain valid observations. of daily extreme temperatures are prepared: ä
- 1. Extreme maximum temperature 5. Extreme minimum temperature
- NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
- Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
- Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent. NOTE:

- Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares $(\sum X^2)$, sums of values $(\sum X)$, means (\overline{X}) , and standard deviations (σX) . The number of observations used in the computations for each element is also shown.
- dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month. At the lower right of the form are given the mean number of hours of occurrence for six ranges of :
- Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated. NOTE:
- Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
- Dry-bulb temperature Wet-bulb temperature
- Dew-point temperature
- Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary. ģ
- The main body of the summary consists of dry bulb temperatures spread vertically in four degree incre-Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. ments and horizontally by eight wind directions (plus calm). 9

DAILY TEMPERATURES

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						(FROM	(FROM DAILY OBSERVATIONS)	ERVATION	(2)					
	TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL.	AUG.	SEP.	OCT.	NON	DEC.	ANNUAL
AI	100													0.
AI	9.5							1.0	2.8					.3
AI	90						6	23.4	31.8	4.1				5.0
A	88						5.5	63.0	81.6	24.4				14.6
A	80				•	8.3		85.3	96.1	61.6	3.6			23.8
A	75				3.1	30.2	71.0	96.5	9.66	87.6	27.6			34.7
A	70		2.		20.3	67.9	94.8	100.0	100.0	98.1	69.1	9.9		46.7
AI	69		-	6.3	80.0	8.00	6.66			0.00	0.76		2.0	
AI	90	1.6	6.	22.7	77.1	0.80	100.0			100.0	99.5		-	65.8
AI	55	10.7	.0.	- 64	94.5	100.0					100.0			
A	20	26.7	49.8	80.8	99.3								74.9	-
AI	**	78.2	74.8	4.40	100							0.00	1	90
A	40			00	2100							0.00		0 0
1	36	200										2		000
	200	2022	2022	2000				1		1	1	1	, , , ,	
N	00	1000	100.0	1							1	1	10000	100.0
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AI				1				1		-				
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٨١														
AI														
	MEAN	47.7		24.7	64.3	11.0	77.2		87.5	80.8	71.7	65.4	53.1	67.1
	S.D.	5.455	-	6.206	161.9	5.077		5 202	360 7	166.3	4-797	5 7 3 5	716	164.49
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DAILY TEMPERATURES

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53.1 15.042 8474 14.7 10000 35.2 39.5 49.6 37.1 64.7 73.5 74.8 67.8 56.5 46.5 38.1 5.462 6.074 6.706 4.874 4.061 3.688 3.023 5.632 5.925 6.122 5.148 650 713 690 713 690 713 713 678 744 720 744 DEC. 98698 Š 0 CT 2000 0000 CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE SEP. 96.4 AUG. (FROM DAILY OBSERVATIONS) 크 00000 J. 46.000 MAY 100.0 APR. IMAKUNIA JAPAN MAR 6.3 22.6 49.2 89.2 99.8 0000 FEB 1000 to 1000 t 4.832 YN 222223 262 TOTAL OBS. TEMP (PF) MEAN S.D. Al A AI AI A AI
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DAILY TEMPERATURES

IMAKUNI, JAPAN

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

14.538 ANNUAL 98.4 4.084 3.104 5.005 4.810 5.494 5.030 713 713 675 744 719 744 DEC. 200 6 200 6 200 6 200 6 200 6 200 6 Š 2 1804 9706 10000 0 SEP. 16.9 크 1819 4.068 3.725 Š MAY 100.00 100.00 100.00 4,692 5.246 5.582 5.727 709 650 713 690 APR 93.4 33.0 100.0 ---MAR. 100.0 10.3 FEB. AN 0 0 0 0 0 0 0 20 30 TOTAL OBS. TEMP (PF) MEAN S. D. AI AI AI AI

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DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

I WAKUNI, JAPAN

STATION +335+

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18416 54321

STATION NAME

1955-1977

MONTH JANUARY

YEARS

		DATE	1961	1969	1969	1968	1970	1959	1977	1961	1956	1956	1955	1963	1963	1963	1957#	1961	1961	1959	19441	1966	1966	19764	1963	1963	1963	1963	1976#	1960	1960	1960	1461	1961
<u>_</u>	AE	ပ	2.2-	7.2-	-3.3	.3.3	-3.3	-3.3	-2.8	2.2-	-2.8	*3.3	-2.8	2020	7.2-	-2.8	-3.9	1.9.	***	-3.3	-1.7	-3.3	2020	-2.2	-3.3	***	23.3	****	8.2.	-2.8	-3.3	-3.3	8.2-	1.0-
MINIMUM TEMP	EXTREME	°F.	82	87	97	92	92	97	27	87	12	97	27	82	82	27	52	02	97	92	52	97	82	28	97	42	50	42	13	1.2	97	92	2.1	50
Z		o°.	2.0	667	0,1	113		1,3	1,3	1.1	100	1.6	10.4	19.0	202	6.0	200	9.0	0.0	0.0	6.0	161	1,3	7.0	6.0	001	611	4.1	26.7	8.0	202	2.0	2.0	1.03
	AVERAGE	9. F	36.7	35.5	33.8	34.7	34.5	34.7	34.4	34.0	34.9	34.8	34.5	34.3	36.0	33.7	32.4	33.0	32.7	33.3	33.7	34.0	34.3	34.5	33.6	33.8	34.7	34.6	34.0	33.4	35.9	35.0	32.3	34.3
		DATE	1976	1976	1957	0961	1960	1966	1958	1972	1958	1957	1966	1972	1964	1958	1957	1973	1966	1973	1965	1972	1971	1961	1969	1973	1959	1957	6961	1969	1961	1661	1966	1959
	IE	o°.	•		15.0	17.2	1001	13.9	13.3	13.9	15.0	-	14.4	13.9	14.4	13.3	14.4	9	13.9	13.9	13.9	16.7	1	17.2	15.6	14.4	17.8	13.3	17.2	13.3	14.4	13.9	12.8	17.8
MAXIMUM TEMP	EXTREME	Tr.	90	28	65	63	19	57	26	57	65	90	96	27	28	56	58	55	57	57	52	62	98	63	09	28	49	96	63	26	58	25	55	99
MA		၁့	9.3	9.3	7.6	8.8	8.8	6.8	0.6	8.7	9.1	9.2	6.8	8.6	6.6	8.9	8.4	7.6	8.1	8.2	0.8	9.2	4.6	9.2	8.5	7.8	6.3	8.8	8.7	8.2	8.7	8.9	0.8	8.7
	AVERAGE	₩.	48.8	48.7	48.4	47.8	47.9	48.1	48.2	47.7	48.3	48.5	48.1	47.5	48.7	48.0	47.2	45.7	9.94	46.7	40.4	48.5	0.64	48.6	6.1.3	46.1	48.7	47.9	47.6	66.8	47.7	48.1	40.4	47.7
		၁့	0.0	3.6	5.1	5.2	5.1	5.2	5.2	4.0	5.3	5.3		2.0	5.7	6.9	6.3	1.4	2.4	4.4	4.5	5.1	5.3	5.3		+.+	5.4	5.2	4.9	4.5	5.4	5.4	4.1	9.0
MEAN TEMP	AVERAGE	٠. ٣	42.8	42.1	41.1	41.3	41.2	41.4	41.3	6.04	41.6	41.6	41.3	41.0	62.3	40.8	39.8	39.3	39.6	40.0	40.1	41.2	41.6	41.6	60.5	0.04	41.7	41.3	8.04	1.04	41.3	41.8	39.4	41.0
		DAY	-	2	8	4	2	9	7	80	6	10	11	12	13	14	15	16	11	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Monthly

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*ALSO ON EARLIER YEARS

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DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

I WAKUNI, JAPAN STATION NAME

1955-1977

YEARS

FEBRUARY

	MEAN TEMP	MP		Ň	MAXIMUM TEMP	MP			Σ	MINIMUM TEMP	MP	
	AVERAGE	36	AVERAGE	GE	EXTREME	ME		AVERAGE	E	EXTREME	ME	
DAY	F.	ပ	٠ ١	၁့	٠ د	000	DATE	ų,	၁့	₽ °	၁့	DATE
1	39.9	4.4	46.7	8.2	57	13.9	1973	33.1	9.0	12	-2.8	1977
2	40.6	4.8	47.7	8.7	58		1976	33.5	8 0	52	-3.9	1961
3	41.2	5.1	48.0	6.8	63	17.2	1966	34.4	1.3	52	-3.9	1965
4	41.6	5.3	48.5	9.2	58		1955	34.7	1.5	82	-2.2	1965*
2	41.6	5.3	48.1		20		1959	35.1	10.1	52	-3.9	1977
9	41.2	5.1	47.5	9.8	29	15.0	1960	34.8	1,6	27	-2.8	1977
7	42.2	5.7	49.1	9.5	29		1960	35.2	1.8	30	1.1.	1970*
80	42.5	5.8	49.3	9.6	57		1960	35.8	2.1	27	-2.8	1966
6	42.6	5.9	48.9	4.6	63	19.4	1960	36.3	2.4	30	-1.1	1971*
10	41.7	5.4	48.9	4.6	9	5	1966	34.5	1.04	97	=3.3	1963
=	41.3	5.2	48.3	9.1	70	21.1	1962	34.4	1.3	52	-3.9	1957
12	39.7	4.3	46.9	8.3	65	15.0	1969	32.6	6.0	52	-3.9	1974
13	41.4	5.2	49.5	4.6	29	9	1977	33.3	0.1	82	-2.2	1968*
14	42.7	5.9	50.1	10.1	29	16.7	1970	35.2	1.08	82	-2.2	1964
15	42.2	5.7	6.64	6.6	19	9	1976	34.5	1.4	57	****	1977
16	42.3	5.7	4.64	4.4	63	17.2	1976	35.2	1.08	12	1.9-	1977
17	42.2	5.7	48.5	9.2	58	14.4	1976#	36.0	2.2	61	-7.2	1977
18	43.5	4.0	50.7	10.4	59	15.0	1976	36.5	2.5	42	+.4-	1977
19	43,3	6.9	9006	10.3	19	16.1	1972	36.0	2.2	23	-5.0	1977
20	43.0	6.1	8.64	6.6	69	18.3	1970	36.1	2,3	62	-1.1	1968
21	42.5	5.8	49.2	9.6	29	16.7	1962	35.9	2.2	52	-3.9	1955
22	42.8	0.9	0.64	4.6	29	16.7	1974	36.5	2,5	97	=3,3	1975
23	43.5	4.9	50.9	10.5	62	16.7	1958	36.2	2.3	97	-3.3	1975
24	42.1	9.6	0.64	4.6	63	17.2	1955	35.3	8.1	97	-3.3	1975
25	42.5	5.8	20.0	10.0	89	20.0	1960	35.0	16.1	62	-1.7	1965
26	43.9	9.9	50.7	10.4	99	18.9	1960	37.2	5.0	92	-3.3	1974
27	43.5	4.0	20.4	10.2	09	15.6	1960	36.6	2,6	12	8.2.	1974
28	43.5	4.0	51.3	10.7	65	18.3	1976	35.8	1.02	12	8.2-	1974
29	43.1	6.2	49.3	9.6	57	13.9	1976	36.8	201	3.	-0.0	1964
30												
31												
Manchin	6.67	R. 7	6.07	4.0	10	21.1	1060	24.2	8.	0		1077

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43324 STATION

NAVAL WEATHER SERVICE DETACHMENT DAILY AVER

DAILY AVERAGE/EXTREME TEMPERATURES

1955-1977	YEARS
I WAKUNI , JAPAN	STATION NAME

43324 STATION

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MONTH

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		DATE							41791 0	1 1971		-	4	-	2 1974	1 1971		L		19698														
1 TEMP	EXTREME	ွ		-2.2		.3.3	****	-0.6	9.0-	-1-	-	-1-	-1.	-1.		1.1-	•			-	_	+	#											
MINIMUM TEMP	EX	₽°																																
	GE	၁့	2.4	3.4	3,2	304	3.0	3,7	3.4	3,5	3.6	3,6	2.9	3,2	2.9	2,6	3.4	4.5	9.4	3.7		4.2	5.0	5.0	3000	200	40000	400444	A V 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4 V V 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	400400000000000000000000000000000000000	4004-0000000	400000000000000000000000000000000000000	400000000000000000000000000000000000000
	AVERAGE	H °	36.3	36.1	37.8	36.1	37.4	38.7	38.2	38.3	38.5	38.4	37.3	37.8	37.3	36.7	38.2	40.1	40.2	38.7		39.6	30.0	41.0	41.0	41.0	40.1	41.0	40.7	200.4 400.4 700.4 700.4 700.4 700.4	200.4 400.4	200.4 400.4	100 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		DATE	1963	1961	1963	1966	1959	1959	1959	1959	1977	1962	1960	1962	1962	1977	1962	1966	1955	1976*		1965*	1965*	1965*	1965* 1972* 1960 1959	1965* 1972* 1960 1959	1965* 1960 1959 1959 1958	1965# 1972# 1959 1959 1958 1958	1965* 1972* 1950 1950 1958 1958 1958	1965* 1972* 1950 1950* 1956 1956 1956 1956	1965* 1972* 1950 1950 1956 1956 1956 1957	1955# 1950 1950 1956 1956 1956 1956 1957 1973	19524 19724 1950 1959 1956 1956 1959 1957 1973	1952* 1972* 1950 1950 1956 1956 1957 1973 1973
16	ME	ပ	18.3	18.3	18.3	18.3	17.8	17.2	19.4	18.9	21.7	16.7	16.1	18.9	16.7	18.3	20.0	18.3	19.4	19.4	4.7.		17.8	8.00	19.6	18.9.4	20.03	220.04	20202	22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	22.21 2 2 3 3 4 6 8 3 4 6 8 3 4 6 8 3 5 6 6 8 3 5 6 6 8 3 5 6 6 8 5 6 6 6 8 5 6 6 6 6 6 6 6 6 6 6	222222222222222222222222222222222222222	222222222222222222222222222222222222222	222222222222222222222222222222222222222
MAXIMUM TEMP	EXTREME	L °	65	65	65	69	49	63	29	99	11	29	19	99	29	65	89	65	67	29	62		99	49	60	69	64 65	64 64 65 70 64	66 64 66 64 66 64 64 64 64 64 64 64 64 6	4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 2 3 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0 1 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
MA	SE	ပ	10.4	10.6	11.2	11.7	11.2	10.9	12.1	11.3	11.7	11.3	11.2	12.2	10.9	12.2	12.1	12.6		13.9	13.2		13.3	13.3	13.3	13.2	13.50	13.5	12.00	E 2 2 6 0 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	12.000.00	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 11 11 11 11 11 11 11 11 11 11 11 11	######################################
	AVERAGE	, F	20.1	51.1	52.2	53.1	52.2		53.8	52.4	53.0	52.4	52.2	53.9	51.7	54.0	53.7	54.6		57.0			55.9											2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Ь		o°.	4.9	0.7	7.2	7.6	7.1	7.3	9.4	7.4	7.7	4.4	7.1	7.7	6.9	4.4	7.7	8.5	8.5	8.8	8.7		9.1	9.6	9.6	106.0	10000						100000000000000000000000000000000000000	
MEAN TEMP	AVERAGE	L °	43.5	9.44	45.0	45.6	8.44	45.2	0.04	45.3	45.8	45.4	44.7	45.8	44.5	45.3	45.9	67.3	47.3	47.9	47.7		48.4	48.4	48.1	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4 6 6 1 4 6 6 1 4 6 6 1 4 6 6 1 4 6 6 1 4 6 6 1 4 6 1 6 1	4 2 6 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4 7 1 9 8 9 0 0 8 9 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4 7 1 0 8 0 0 7	4 7 1 0 8 0 0 7 4	4 7 1 0 8 0 0 7 4 4	4 2 1 0 8 0 0 2 4 4 8 8 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	4 7 1 0 8 0 0 7 4 4 8 0 0 7 7 7 8 8 0 7 7 7 8 8 0 7 7 7 8 8 0 7 7 7 8 8 0 7 7 7 8 8 0 7 7 7 8 8 0 7 7 7 8 8 0 7 7 7 8 8 0 7 7 7 8 8 0 7 7 7 8 8 0 7 8 8 0 7
		DAY	1	2	3	4	25	9	7	00	6	10	11	12	13	14	15	16	17	18	19		20	20 21	20 21 22 22	22 22 23	20 21 22 23 24	20 22 23 23 24 26	20 22 23 24 26 26	20 21 22 23 24 26 26 27	20 21 22 23 23 26 26 26 27 28	20 21 22 23 23 26 26 26 27 27 28	20 21 22 23 23 24 24 26 26 26 27 27 30 30	20 21 22 23 23 24 24 26 26 27 27 30 30

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*ALSO ON EARLIER YEARS

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DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

1955-1977

STATION NAME

43354 STATION

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YEARS

MONTH

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-	MEAN TEMP	EMP		W	MAXIMUM LEMP	AP			2	MINIMOM LEMP	-	
	AVERAGE	GE	AVERAGE	GE	EXTREME	ME		AVERAGE	E	EXTREME	ME	
DAY	u ,	ပ ွ	u. °	ပ	u .	ပ	DATE	₽°	၁့	₽°	၁ွ	DATE
-	51.5	10.8	59.1	15.1	7.1	21.7	1973*	0.44	6.7	35	1.7	1972
2	51.3	10.7	58.2	14.6	14	23.3	1973	44.4	6.9	35	1.7	1972*
3	51,3	10.7	59.9	15.5	75	53.9	1961	42.7	2.9	34	1.1	1975
4	93.0	11.7	61.0	16.1	14	23.3	1964	45.0	7,2	36	2.2	1962*
25	53.7	12.1	4.69	17.4	73	22.8	1961	43.9	9.0	33	9.0	1962
9	53.7	12.1	050	16.7	9,	24.4	1964	45.4	• • •	34	1.1	1965
1	55.1	12.8	62.7	17.1	0,	21.1	1955	47.5	8.0	37	2.8	1965
00	54.3	12.4	600.7	15.9	0,	21.1	1973*	0.84	8.9	36	2.2	1960
6	54.9	12.7	61.2	16.2	90	26.7	1973	48.7	6 6	38	3.3	1961
10	54.7	12.6	61.2	16.2	11	21.7	1962	48.1	6 8	34	101	1961
=	24.4	12.4	61.7	16.5	4	23.3	1973	47.1	8.4	37	2.8	1963
12	55.0	12.8	63.2	17.3	-	25.0	1955	46.9	6 6	39	3.9	1965
13	30.4	13.6	49.69	17.4	75	23.9	*6961	6.65	0.0	38	3.3	1968
14	37.6	14.2	64.8	18.2	7.4	23.3	1955	50.3	10.2	38	3.3	1970
15	57.3	14.1	0.49	17.8	64	26.1	1956	50.7	10.4	36	2.2	1958
16	58.7	14.8	0.99	18.9	1	25.0	1956	51.5	10.8	14	5.0	1962
12	58.6	14.8	66.3	1.61	78	25.6	1964	91.0	10.6	25	2.0	1961
- 82	57.5	16.2	64.7	18.2	75	23.9	1974*	50.3	10.2	38	3,3	1966
19	57.0	13.9	64.3	17.9	10	24.4	1972*	49.7	8.6	36	2.2	1962
20	58.1	14.5	0.99	18.9	75	23.9	1964	50.2	1001	24	5.6	1962
21	59.5	15.3	4.99	0	98	28.9	1964	52.0	1100	6.3	7.2	1956
22	59.8	15.4	9.99	19.2	78	25.6	1976	53.0	11.7	04	4.4	1965
23	1.09	15.6	67.0	19.4	19	26.1	1957	53.2	11,8	95	7.8	1955
24	61.3	16.3	68.5	20.3	16	24.4	42.01	54.2	12,3	*	6.7	1961
25	6.09	16.1	68.3	20.2	92	27.8	1973	53.5	11.9	**	6.7	1976
26	8009	16.0	67.7	19.8	78	25.6	1958	53.8	15.1	64	1.9	1955
27	9.09	15.9	67.2	19.6	10	24.4	1966	24.0	12.2	4.1	8.3	1958
28	0.09	15.6	9.99	19.2	14	23.3	1975	53.3	11,8	6	1.0	1958
29	4.09	15.8	68.1	20.1	83	28.3	1973	52.7	11.5	6	1.9	1970*
30	60.7	19.9	68.8	20.4	78	25.6	1961	52.6	1100	24	9.6	1956
31												
Monthly	6.98	9.61	6.44	0 4	78	98.0	1064	4.04	9.8	1.1	4.0	6701

*ALSO ON EARLIER YEARS

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DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

1955-1977

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MONTH

I WAKUNI, JAPAN 43354

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		DATE	1971*	1971*	1957	1961	1973	1962*	1975	1960	1968	1977*	1960	1965	1958	1970#	1957	1977	1977#	1977*	1959*	195	1975	1975#	1972	1973	1966	1966	1955	1956	1969	1968	1972
1P	ME	ွ	1.0	8.3	6.7	9.6	7,8	7.8	7.2	6.7	7.2	10.0	8.3	8.3	7.2	10.0	8,3	7.2	4.6	10.0	11.1	10.0	7.8	10.6	10.6	111	10.0	11.7	7921	12.8	12.2	12.8	12.2
MINIMUM TEMP	EXTREME	₽°	6.5	18	**	64	94	90	69	**	643	20	18	44	43	20	4.4	4.5	64	20	25	20	40	15	21	25	00	53	36	25	24	25	24
M		၁့	12.0	1109	1201	1301	12.3	12,6	11.9	12.7	1304	14,2	13,9	12.7	1307	1303	13.2	13.2	13.0	13,6	14.5	14.6	1401	14.8	15.4	15.6	1961	1501	15.7	1001	1001	15.8	1661
	AVERAGE	₽°	53.6	53.5	53.6	55.6	54.5	54.6	53.5	54.9	56.2	57.5	57.0	54.9	20.0	56.3	55.8	55.7	55.4	56.5	58.1	58.5	57.4	58.6	59.7	1.09	59.1	59.2	60.2	61.0	019	4.09	61.0
		DATE	1959	1959	1969*	1959	1972	1977*	1972	6961	1966	1955	1972*	1972*	9961	1966	1976+	1965	1965	1960	1961	1964	1461	1963	1964*	1962	1967*	1976	1976	19761	1961	1962	1976
	Ē		L	26.1									L	6.	9.	25.0	*.	.2	7.	.2	_		28.9	27.2	26.7	27.8		28.3	30.0	27.8	26.7	30.0	28.9
MAXIMUM TEMP	EXTREME	т°	17	51	78	11	73	16	78	83	100	4	78	75	78	-	16	18	61	100	82	61	750	81	90	82	90	83	87	82	60	98	84
MA	E	ာ့	20.6	20.7	19.7	19.9	19.6	20.4	20.2	21.3	21.6	22.2	21.8	21.3	21.6	21.8	21.6	21.7	22.8	22.3	21.7	21.9	23.3	22.9	22.7	23.0	23.7	23.6	23.4	23.0	22.9	24.4	24.4
	AVERAGE	پ	0.69	69.3	67.5	67.8	67.2	69.7	68.3	70.3	70.8	71.9	71.3	70.4	70.8	71.2	40.07	71.1	73.0	72.1	71.1	71.5	73.9	73.3	72.9	73.4	74.7	74.4	74.1	73.4	73.3	18.9	76.0
•		၁့	16.3	16.3	15.9	16.5	15.9	16.4	1001	17.0	17.5	18.2	17.8	17.1	17.6	17.6	17.4	17.4	17.9	17.9	18.1	18.2	18.7	18.8	19.1	19.3	19.4	19.3	19.6	19.6	19.6	20.1	
MEAN TEMP	AVERAGE	٠ ٤	61.3	61.4	9.09	61.7	2.09	61.6	6.09	9.29	63.5	64.7	64.1	62.7	63.7	63.7	63.3	63.4	2.49	64.3	9.49	8.49	65.7	62.6	66.3	1.99	6.99	8.99	67.2	67.2	67.2	68.2	68.5
		DAY	1	2	8	4	2	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

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DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME

I WAKUNI , JAPAN

43354 STATION

1955-1977

YEARS

SUNE

MONTH

1	MEAN LEMP	EINIE					-			I CINITALIAN I CINITALIAN		
	AVERAGE		AVERAGE	GE	EXTREME	ME		AVERAG	E.	EXTREME	ME	
DAY	L 0	၁့	٠ ١	၁့	ъ о	၁့	DATE	L °	o°,	o F	၁့	DAT
	0.69	50.6	77.0	25.0	58	28.9	1974#	1.19	10,2	56	12.8	1972
2	68.7	20.4	75.2	24.0	91	27.2	1967*	62.3	16,8	25	12.8	1970
3	68.4	20.2	74.6	23.7	85	29.4	1961	62.1	16,7	21	13.9	1966*
4	68.8	20.4	75.6	24.2	81	27.2	1967#	62.1	16.7	21	13.9	1973#
2	68.1	20.1	75.3	24.1	40	28.9	1960	6009	1691	96	13,3	1969
9	68.5	20.3	76.0	24.4	96	30.0	1960	61.0	1691	22	12,8	1974
	4.89	20.2	74.8	23.8	48	28.9	1961	62.0	16,7	27	13.9	197
80	69.2	20.7	76.6	24.8	60	28.3	1960	61.9	16,6	34	12.2	196
6	69.5	20.8	76.7	24.8	68	31.7	1972	62.3	16.8	53	11.	1957
10	69.1	20.6	75.3	24.1	84	28.9	1972	65.8	17,2	96	13.3	1956
11	69.1	20.6	75.0	23.9	98	28.9	1972	63.2	17,3	57	13.9	1966
12	64.3	20.7	75.8	24.3	86	28.9	1977#	62.7	17.1	25	12.8	1974
13	70.1	21.2	76.5	24.7	88	29.4	1972	63.7	17.6	27	13.9	196
14	8.69	21.0	76.1	24.5	98	28.9	1958	63.6	17.6	98	14.4	161
15	10.4	21.3	77.4	25.2	85	29.4	1974	63.5	17,5	53	11.	1961
16	71.0	21.7	77.2	25.1	98	30.0	1959	6.49	18,3	98	14.4	196
17	71.2	21.8	77.0	25.0	36	28.9	1959	65.3	18,5	61	16.1	195
18	72.1	22.3	78.1	25.6	98	30.0	1967*	0.99	18.9	19	16.1	196
19	71.5	21.9	77.5	25.3	10	29.4	1961	65.4	18,6	29	15.0	1977
20	71.7	22.1	77.9	25.5	90	28.9	1976*	9999	18.7	27	13.9	1962
21	72.5	22.5	77.8		98	30.0	1956	2.10	19.6	10	16.1	1966
22	72.2	22.3	77.5	25.3	80	29.4	1955	8.99	19,3	29	16.7	1972#
23	73.1	22.8	6.64	26.6	88	-	1963	4.99		29	16.7	196
24	72.9	22.7	79.1	26.2	06	32.2	1976	1.00	19.3	10	16.1	1969
25	72.1	22.3	77.2	25.1	87		1955	6.99	19.4	29	15.0	1986
26	73.2	22.9	78.6	25.9	16	32.8	1955	67.8	19,9	63	17.2	1972
27	74.2	23.4	0.08	26.7	88	31.1	1955	68.4	2002	00	15.6	1976
28	74.8	23.8	60.7	27.1	80	31.1	1973	0.69	20.0	20	16.7	1970
29	74.1	23.4	79.1		96	30.0	1963*	1.69	20.6	20	16.7	1966
30	74.7	23.7	80.2	26.8	98	30.0	1961*	69.1	50.6	19	16.1	1966
31												
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*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

JULY	MONTH
1955-1977	YEARS
IMAKUNISJAPAN	
43324	STATION

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	AVERAGE	1GE	AVERAGE	AGE	EXTREME	ME		AVERAGE	3E	EXTREME	ME	
DAY	٠ ١	o°.	4 °	ပ	L.	၁့	DATE	H _o	o°.	٠ ۲°	ွ	DATE
-	75.4	24.1	80.0	27.2	16	32.8	1960	70.0	21.1	00	15.6	1966
2	76.0	24.4	82.0	27.8	16	32.8	1964	70.0	2101	*0	17.8	1974#
3	76.3	24.6	82.3	27.9	63	33.9	1971	70.3	21,3	19	16.1	1969*
4	76.1	24.5	81.2	27.3	95	35.0	1971	71.0	21.7	26	13.3	1966
2	76.2	24.6	61.3	27.4	76	34.4	1971	73.0	21.07	98	14.4	1960
9	76.6	24.8	82.3	27.9	69	33.9	1964	71.0	21.7	*0	17.8	1966
7	76.7	24.8	82.3	27.9	26	33.3	19961	71.0	21.7	69	18.3	1968
00	77.0	25.0	82.6	28.1	16	32.8	1961	71.4	21.9	40	17.8	1966
5	76.6	24.8	81.3	27.4	06	32.2	1964	71.9	25.22	*0	17.8	1966
10	16.6	24.8	82.7	28.2	66	33.9	1961	70.5	21.4	96	13.3	1958
11	77.3	25.2	83.0	28.3	26	33.3	1961	71.6	22.0	24	12.2	1958
12	78.3	25.7	83.9	28.8	16	32.8	1973	72.7	22.6	99	20.0	1976
13	79.2	26.2	85.7	29.8	16	34.4	1461	72.7	9.22	19	19.4	1966*
14	80.4	56.9	87.5	30.6	66	35.0	1961	73.3	52.9	67	19.4	1969
15	80.6	27.0	87.2	30.7	63	33.9	1971*	74.0	23,3	68	20.0	1972
16	80.2	26.8	85.9	59.9	63	33.9	1967*	74.5	23.0	99	20.0	1972
17	6.08	27.2	87.0	30.6	86	35.0	1957	74.9	23,8	69	20.6	1972
18	80.8	27.1	87.0	30.6	66	33.9	1961	74.6	23.7	69	20.6	1936
19	80.5	26.9	86.8	30.4	26	33.3	1974	74.2	23.4	10	21.1	1966
20	81.5	27.5	87.7	30.9	76	34.4	1957	75.3	24.1	69	20.6	1971
21	81.6	27.6	87.9	31.1	96	35.6	1973	75.3	1042	10	2101	1971
22	81.7	27.6	88.3	31.3	76	34.4	1973*	75.1	23,9	17	21.7	1971
23	81.4	27.4	87.8	31.0	96	34.4	1975	75.0	23.9	11	21.7	1971
24	81,2	27.3	87.0	30.6	56	35.0	1959	75.4	1 . 42	80	20.0	1957
25	81.4	27.4	87.0	30.0	26	33.3	1965		24.3	10	21.1	1957
26	81.3	27.4	87.3	30.7	26	33.3	1973	75.3	1.42	10	21.1	1974#
27	82.0	27.8	8	31.1	96	33.6	1962	76.0	54.42	7.7	21.7	1972
28	81.9	27.7	88.5	31.4	96	34.4	1971	75.3	24.1	0.	21.1	1957
59	82.0	27.8	8	31.3	46	34.4	1969	75.7	24.3	L	21.7	1976
30	82.6	1 . 82	89.0	31.7	26	33.3	1962*	16.1	24.5	13	22.8	1976
31	82.3	27.9	69.6	31.6	68	35.0	1960	15.8	24.93	21	2.22	1959
Monthly	7 04	6 76										

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*ALSO ON EARLIER YEARS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

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STATION NAME

IMAKUNI . JAPAN

YEARS

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	AVERAGE		EXTERMENT AND THE MAIN THE MAI	INF	1	AVERAGE		MINIMON LEMP	MP	
AVERAGE	n °		° F	, NE	DATE	AVERAG °F	٥, د	°F EXIME		DATE
8.7		1.5	63	33.9	1974#	75.9	2404	-	22.8	1972*
9.4 3]	3)	6.	96	35.6	1955	76.4	24.7	72	22.2	1966
• 0	31	.7	96	35.6	1956	76.1	24,5	10	21.1	1976
1E 0.6	31	.7	76	34.4	1977*	75.9	50.02	11	21.7	1966
8.9 31	31	9.	9.5	35.0	1977	75.8	24.3	13	22.8	1966
9.0 31	31		68	35.0	1976*	75.7	24.3	10	21.1	1977
7.8 31	31	0.	16	34.4	1956	75.8	E . 42	3	22.8	1976*
7.9 31	31	1.	26	33.3	1956	75.0	23,9	7.1	21.7	1961
31	31	0.	26	33.3	1976	74.3	23.5	69	20.0	1965
8.0 31	31		96	35.6	1976	74.7	23.7	0.1	19.4	1977
9.3 31.	31.	8.	86	36.7	1960	75.4	24.1	69	20.6	1959
8.4 31.	31.	•	46	36.1	1969	75.4	1.42	10	21.1	1972
8.4 31.	31.	~	16	34.4	1969	75.7	24.3	1	21.7	1977*
7.5 30.8	30	80	96	35.6	1976	75.0	23,9	10	19.4	1977
7.5 30.8	30.	80	66	37.2	1961	75.0	6.62	1	21.7	1977#
6.3 31.	31.	3	100	37.8	1974	14.3	23.5	10	21.1	1960
7.3 30.	30	.7	46	34.4	1964	74.6	23.7	11	21.7	19761
6.6 30.	30.	3	63	33.9	1974#	14.8	23.8	99	20.0	1956
7.5 30.8	30.	8	95	35.0	1955	74.5	23.6	63	17.2	1956
6.8 30	30	*	96	35.6	1960	74.7	23.7	69	18.3	1956
6.7 30.4	30	4	66	33.9	1975	74.3	53.5	0.1	19.4	1956
6.9 30	30	.5	96	35.6	1961	75.2	24.0	99	20.0	1972*
0.	30	9.	76	34.4	1961	74.1	23.4	90	17.8	1972
6.7 30.	30	*	96	35.6	1961	74.2	23.4	*0	17.8	1972
• 3 30	30.	.2	16	32.8	1964#	73.1	8 6 2 2	69	18.3	1956
	30.		63	33.9	1961	72.9	22.7	*0	17.8	1956
6.7 30.	30.	*	63	33.9	1961	73.5	1967	90	20.0	1965*
	30	*	96	34.4	1961	14.1	2307	60	20.6	1961
5.7 29	58	8	66	33.9	1961	73.9	23,3	0	19.4	1969
4.4 29	58		66	33.9	1974	73.6	23.1	99	18.9	1968
9.6	30	.3	96	34.4	1974	13.9	2343	29	10.1	1966
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*ALSO ON EARLIER YEARS

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43324 STATION

DAILY AVERAGE/EXTEME TEMP MAR 1978

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

1954-1977

STATION NAME

IMAKUNI, JAPAN

43324 STATION

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SEPTEMBER MONTH

YEARS

		DATE	1968	1968	1976	1976#	1976	1976*	1963	1965	1974	1974	1962	1968	1957	1966	1966	1976#	1976	1976	1957	1974	1972	1976	1976	19761	1976	1972	1972	1973	1965	1965	1065
Ь	AE	ွ	17.8	18.9	18.9	17.2	17.2	18,3	15.6	10.7	17.8	16.7	15.6	15.6	1001	14.4	13,3	16.1	13,3	13.9	13.9	13.9	15.0	14.4	12.8	12.8	12,8	13.9	11.7	12.2	1101	10.6	10.6
MINIMUM TEMP	EXTREME	۰ ا	50	99	99	63	63	69	00	29	99	29	00	09	10	28	26	19	96	27	57	21	65	28	25	25	55	57	53	34	26	16	16
M		၁့	22.0	22.8	22.3	22.0	22.4	22.4	21.9	21,4	21.0	50.9	2002	1.02	20.8	21.2	50.02	2002	19.2	18.9	18.1	18,3	18.0	18.9	18,8	161	18,5	18.2	1703	1001	10.9	16.9	0.0
	AVERAGE	٠ د	72.6	73.0	72.1	73.6	72.3	72.4	71.4	70.6	8.69	9.69	68.3	68.1	69.5	1001	0.69	68.3	9.99	0.99	94.0	6.49	65.4	0.99	65.8	66.3	65.3	1.49	63.1	0.29	62.5	65.4	K7.R
			1975+		1961	1975*	1961	1961	1958	1959	1970	1970*	1977*	1975	1975	1964	1975	1975*	1958	1959	1975	1975	1975	1975	1975	1960	1961	1961	1961	1961	1967	1961	10764
•	IE .	၁့	æ.	.2	33.3	3.3	3.3	33.3	2.8	2.2	1.1	1.1	1.7	33.3	3.3	3.3	2.2	.3	1:1	31.7	1.7	32.2	3101	30.0	31.7	31.7	28.9	29.4	29.4	30.0	28.9	30.0	8.88
MAXIMUM TEMP	EXTREME	H °	16	06	92	92	92	26	16	06	88	80	68	26	92	92	06	26	88	89	89	06	808	98	89	68	84	35	85	98	84	98	60
MA	E	o°.	29.7	29.3	29.5	29.4	29.6	29.3	29.3	28.4	28.1	28.1	27.6	27.9	27.2	27.4	27.3	26.8	26.7	26.8	26.8	25.9	26.4	25.8	26.1	25.7	25.6	25.3	25.1	24.6	24.7	53.9	1.66
	AVERAGE	L 0	85.5	84.8	84.6	85.0	85.3	84.0	84.7	83.1	82.5	82.6	81.6	82.2	-	-	-		80.1	80.2	80.2	78.7	79.5	78.4	79.0	78.3	78.1	77.6	77.2	76.3	16.4	75.0	0
		ى ى	26.2	26.1	25.8	25.7	26.0	25.9	25.6	24.9	24.5	24.5	23.9	24.0	24.0	24.3	23.9	23.5	22.9	22.8	22.4	22.1	22.4	22.3	22.4	22.4	22.1	21.7	21.2	20.7	20.8	50.4	3.00
MEAN TEMP	AVERAGE	L 0	79.1	78.9	78.4	78.3	78.8	78.6	78.0	16.8	76.1	76.1	75.0	75.2	75.2	75.7	75.1	74.3	73.3	73.1	72.4	71.8	72.4	72.2	72.4	72.3	71.7	71.1	70.2	69.2	69.5	68.7	* 76
		DAY	-	2	3	4	2	9	7	80	6	10	1	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

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*ALSO ON EARLIER YEARS

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DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME

I WAKUNI , JAPAN

1954-1977

YEARS

OCTOBER

MONTH

1963 1972* 1963* 973* 1965* 1970* 1974 976 986 1954 1976 DATE 1965 965 1969 962 1965 1954 6961 1965 1973 1958 1975 957 1957 1957 955 973 1958 1958 4.6 10.0 1.8 7.2 8.9 7.2 7.2 1.8 1.0 8.9 8.3 8.9 8,3 8.3 8,3 7.2 8.3 EXTREME MINIMUM TEMP 48 64 45 4.5 45 43 8 9 45 96 6 3 * 45 6 4 8 47 5 47 5 15.9 13.00 13,4 13.0 16,3 1401 12,5 12,5 1:21 10.1 16.7 12.1 AVERAGE 58.4 56.6 57.3 56.9 56.6 54.4 54.2 58.9 57.2 55.9 56.2 55.4 53.7 54.5 60.7 59.5 54.5 53.7 56.7 1961# 1975# 1973# 1970+ 1975* 1964 974 1956 1958 1966 1958 1961 1961 1961 1964 1974 1975 1961 1961 1961 25.0 30.6 30.0 27.2 27.2 25.6 27.2 27.8 25.6 25.0 26.7 25.6 25.6 25.0 28.9 23.9 26.1 25.6 26.7 26.7 25.6 EXTREME MAXIMUM TEMP 80 81 18 90 8 84 8 9 8 3 8 24.5 23.3 22.7 22.4 21.9 22.1 20.4 19.9 24.9 21.6 21.3 22.3 19.9 20.3 AVERAGE 73.5 78.5 73.2 74.1 72.0 72.0 72.2 71.2 71.4 8.01 70.3 70.0 68.7 68.6 6.70 67.8 9999 71.7 72.7 72.3 40.0 20.3 68.6 73.7 71.7 16. 20.3 19.6 19.2 19.0 17.0 20.6 8.6 18.0 18.2 16.9 16.4 17.8 17.7 17.5 16.7 16.4 15.3 15.2 6.9 S MEAN TEMP AVERAGE 95.09 67.3 66.2 65.0 64.3 63.6 63.5 62.0 61.2 4.49 62.6 61.6 64.7 61.7 Monthly DAY 10 12 4 15 16 11 18 19 25 2 = 13 8 21 22 23 24 92 27 28 53 30 31 œ 6

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ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

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12595 9/981

STATION

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

I WAKUNI , JAPAN

STATION NAME

43324 STATION

12695 91981

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1954-1977

YEARS

NOVEMBER

1970 *696 1976 976# 4946 1974 1968 1976 1970 1976 1956 1969 1973 1970 1969 1955 1965 1969 1955 1963 1977 1960 1966 0.0 3.9 *.* 8.2 2.2 9.0 5.0 2.0 3.9 3.3 2.0 2.8 3.3 2.8 3.3 2.2 2.2 1:1 3 6.1 1:1 1.7 1:1 EXTREME MINIMUM TEMP 0 38 36 38 38 36 35 36 34 3 33 33 3 39 5 39 14 9001 10.2 111 8 6 6.6 6.6 8.6 8.0 1.6 8.1 8.3 8.3 8. ... 6.9 8.1 9.7 9.1 33 10.7 AVERAGE 45.9 40.4 46.9 43.0 46.5 52.0 40.1 42.2 47.0 46.0 45.0 51.1 40.4 40.4 46.5 6.14 43.5 7.24 20.4 45.9 43.7 49.7 48.7 +0961 1971* 1975* 1970* 1975* *896 1969* *0961 1954 1970 960 1959 1971 1975 1965 1461 1958 1977 1961 1963 1957 1961 1954 1977 23.9 50.02 19.4 20.0 20.6 20.6 20.0 26.1 22.2 23.3 22.2 20.0 23.3 19.4 20.02 19.4 20.0 23.3 21.7 22.8 23.3 21.7 21.7 21.7 54.4 21.7 EXTREME MAXIMUM TEMP 16 73 727 69 99 2 69 69 69 68 89 79 67 9 9 19.4 19.0 15.9 15.2 16.9 20.0 19.4 18.9 18.8 18.1 16.8 18.2 16.5 16.3 16.1 16.4 16.2 16.2 15.3 15.2 15.3 18.1 14.4 14.7 15.1 AVERAGE 61.2 0.70 64.9 69.6 9.49 0.49 9.49 63.0 64.8 4.10 61.0 61.2 9.09 59.5 59.3 59.8 59.3 58.0 62.4 61.5 59.2 61.7 1.99 14.9 +.+ 12.2 12.3 11.9 15.2 13.6 10.9 10.4 14.8 13.9 13.3 9.6 12.5 4.3 4.1 15.1 12.1 11.5 10.7 MEAN TEMP AVERAGE 50.6 50.6 50.7 50.7 50.7 59.4 57.3 57.0 53.9 90.96 54.1 54.0 53.7 53.7 54.5 Monthly DAY 12 16 18 2 22 10 13 14 15 11 19 23 24 25 92 27 28 53 30 = 21 9 œ 6

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ALSO ON EARLIER YEARS

DATE 1972*

EXTREME MINIMUM TEMP

EXTREME MAXIMUM TEMP

965

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

1954-1977

STATION NAME

STATION 43324

12595 9/981

I WAKUNI, JAPAN

MONTH DECEMBER

YEARS

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MEAN TEMP AVERAGE

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'ALSO ON EARLIER YEARS

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EXTREME VALUES

MAXIMUM TEMPERATURE

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IMAKUNI, JAPAN

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54-77

WHOLE DEGREES FAHRENHEIT

MONTHS		96	96	00		95	86	62	96	*	16	66	26	66	26	44			**	96	100	**	96	95	95.4	2.084	8402
DEC.	29	99	59	99	63	89	69	67	09	69	29	29	29	25	69	95	09	67	69	57	63	69	09	20	63.2	3.923	144
NOV	72	69	21	74		19	13	7.	10	10	12	13	10	7.	10	7	72	13	12	14	16	7	14	10	12.1	2.397	060
OCT.	7.8	8	28	0	80	80	29	99	80	11	83	09	28	2	2	80	13	90	78	62	83	67	2	83	80.9	2.508	164
SEP.		6.9	06	98	16	06	68	85	89	89	92	63	88	92	98	92	68		88	99	06	92	83	6.0	0.69	2.319	
AUG.		96	96	8	26	66	96	66	16	8	16	63	36	66	26	10	99	16	16	92	100	36	96	66	4.46	2.641	713
JQL.		06	66	9.8	36	66	66	95	96	**	63	9.5	65	66	16	*6	63	6	16	96	26	*6	26	92	93.3	1.685	713
NO.		16	98	48	78	98	86	98	98	60	84	6.3	8.1	86	60	98	83	8 2	68	80	10	83	06	48	85.8	2.255	
MAY		81	100		80	82	18	82	98	81	80	200	18	85	19	60	63	48	18	78	080	81	87	16	13.	1.56.5	113
APR.	24	1	46	2	78	10	12	78	12	42	18	72	10	23	4	16	73	7	16	83	7.5	2	18	73	0.01	3.593	069
MAR.		67	70	69	89	67	-	67	99	69	99	29	69	72	69	67	69	69	99	73	79	40	67	7	8.90	2.984	71.3
5		69	65	*	29	29	99	53	2	25	53	57	63	3	24	29	99	9	19	29	29	62	69	29	9.09	4.688	650
JAN.		26	65	9	59	*	63	53	26	20	58	57	58	69	57	69		80	29	58	28	57	09	92	586	3.598	682
YEAR	34	52	96	57	58	99	09	62	62	63	90	69	99	67	99	69	10	7.	72	73	74	75	76	11	MEAN	S. D.	TOTAL OBS.

6.0

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EXTREME VALUES

MAXIMUM TEMPERATURE

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8

IMAKUNI, JAPAN

54-77

/BASED ON LESS THAN FULL MONTHS/

-Z	MAX TEMP DAYS	MAX TEMP	MAX TEMP DAYS								
DEC.											
NOV.		29									
OCT.											
SEP.	4 50										
AUG.											
JUI.											
NO.											
MAY					111-21						
APR.											
MAR.											
Ę											
JAN.			53								
YEAR	36	88	10							MEAN	S. D.

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EXTREME VALUES

MINIMUM TEMPERATURE

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IWAKUNI, JAPAN

STATION

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54-77

WHOLE DEGREES FAHRENHEIT

		APR.	MAR.		5
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67 63	2	1	•		67
3 65 71	30		m		30
54 70	9	9	•		52
1 70 68	~	~	•		33
99 11 99	5	2	-		32
3 73 72	•	•	140		56
7 67 71	~	3	-		32
60 69 70 55	47 6	9	~	31	
69 89	~	•	•		32
68 68	20	•	~		31
7 56 71	30	-			35
7 66 71	^	-	*		50
29 49 6	30				53
4 61 67	~	_	36		31
5 66 71	•	_	~		27
69 69	**	0	Ť		30
99 69	S	_	-		31
7 71 73	2	•	•		33
99 99	-	_	•		28
89	•	•	~		30
65 68	•	2	~		32
9 71 67	30	•	~		24
.9 66.3 68.4	1 .		37.	-	
130 4.541 2.873	3 2.1	-	-	3.1	3.1
690 713 713		06	0		

EXTREME VALUES

MINIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

54-77

IMAKUNI, JAPAN

YEARS

/BASED ON LESS THAN FULL MONTHS/

E.	LEMP	ENP									
MONT	NIN	MIN TEMP									
DEC.											
NOV											
OCT.											
SEP.	0 50										
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JAN.		25									
YEAR	94	10	<u>-</u>						MEAN	8.0.	

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43324 STATION	IMAKUNIS JAPAN		7	44	STATION NAM	TAME				1	13	13-11				YEARS	RS						MONTH	
																						PAC	PAGE 1 HOURS (L.S.T.)	S.T.)
Temp.							WEI	BULB	WET BULB TEMPERATURE DEPRESSION (F)	TURE	DEPRES	NOIS	()	7						TOTA		2	TOTAL	
(F)	0	- 2	3.4	5.6	7 . 8	9 - 10		12 13	11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 .	91 -	17 . 18	19 - 20	0 21 -	22 23	- 24 2:	5 - 26	27 - 28	29 . 30	0 = 31	D.B./W.B.	B. Dry Bulb		Wet Bulb Dew Point	ew Poi
100								-																
56/ 55		2-			7.5			-												-		13	•	
1	:	1			-			2	-					-	-					4		9		7
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	5	-	5.0		-		~	+	1	-				1						2			,	-
m			3.5	- C	•		~													129	9 129		791	75
1	.3 2			2.4				-												-			20	*
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1	- ~		1.6			_	-	-					-	-	+								13	2
7.0	.1.1																			2			102	16
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24/ 23														-								-		4.0
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-	2.330.	162.0		921.5	510.6	6 3.0		*		:										1240	1240		1240	1240
Element (X)	XX	- 2			ZX X	_	_ ×		- x		No. Obs.			**			Mean	No. of	Hours	Mean No. of Hours with Temperature	rature	-	1	
Ref. Hum.	9	1367	949		870		70.2	-	1.29	-	1240	0	٧	±0 F	≥ 32 F	- L	2 67 F	-	≥73 F	≥ 80 F	-	≥ 93 F	P	Total
Dry Bulb		1092	573		503		40.0		1.29		12	04			-	9.6							-	744.0
Wet Bulb		706	1706581		45525	-	36.7	1	3.329	•	1240	04			6-	190.2							-	144,0
Dew Point		947	484		385	-	31.1	\dashv	1.37		12	0			+0	9.0		-						***

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THE PERSON WINDS DESCRIPTION OF

T E	L.S.T.)		Wet Bulb Dew Point		•	-		.ec		90	2	52	56	20	63	107	100	102	88	2	86	17	=	• -	1128		Total		473	372.0
MONTH	PAGE 1 HOURS (L.S.T.)	TOTAL	et Bulb			2		-	22	4	99	7	6	121	138	112	16	0 6	- 2	12	* *				1128			-		
-	9		Bulb		- =	18	27	35	9	4 0	114	111	91	74	25	99	67	27	0		0	•			1128		× 93 F			
			D.B./W.B. Dry		- 4	18	27	35	09	200	114	111	911	74	35	99	67	27	5	8		4			128	of Hours with Temperature	≥80 F			
				-		+			+					+					+			-	+		-	#ix	-	+	+	
			30 231			-			+		-			+			-		+			+	+			- Hours	≥73 F			
			28 29 .			-			-		-		_	-					-							W upa	7 F	1	1	
YEARS			27.						1					-												N N	267	-		
			25 - 26																								≥ 32 F	0	2000	
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		ON (F)	9 - 20																									0 0		
13-11		EPRESSI	. 18						1																	, i	1128	1120	1160	
1		TURE D	. 16						1					+									1							
		WET BULB TEMPERATURE DEPRESSION (F)	10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23			7			1		-			+					1			-			-	3	4.2.4	7.622	10063	
		T BULB 1	. 12 13		7.0			-	-	4	-:			+		-	1		+			-	+		1.3	+++	igo	1	+	
		WE	- 01		7.	-		9.	0	• 0	15		-	+			+		+			+	+		-		70.4	4.5	0000	
NAME			8		m -					* *	-		0 1			-	-		+			+	+		10		6	36	0	
STATION NAME			-			2			8	**	-	-		1	•	0	-		+			-	1		.611.	N N	104	47404	7.00	
APA			5.6		•			-	•		-		2	2	; :	•	•	4 4					1		7					
IMAKUNI, JAPAN			3.4	7.7				*	-		~	2	2.8	2		2	-	•,	•	• •					4.		8105	707	010/607	
N C			1.2		:			*	1.3				2.5	7.7	2.7	2.9	4.2								31.6	27.2	501	208	240	
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				50	200	33	53	53	5	10	43	43	7	2 6	33	33	3	50	28	23	21	1.1	12	2		8	E	٩	+	
3324 STATION		Temp.	E	33	25	-		146	12	200	100	1	/24		36/	-	-		-	24/		-	10	2	DAAL	Element (X)	Rel. Hum.	Dry Bulb	100	

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MARCHITE Japan Marchine Depression (f) Marchine Department Marchine Department Departmen	az E	1.8.T.)		Dew Poi															11			•	,	-			1	124		Total	744.	770
Sec 7 - 8 9 - 10 11 - 12 13 - 14 13 - 16 17 - 18 19 - 20 12 - 21 23 - 24 25 - 26 27 - 28 27 - 28 28 - 28 28 28 28 28 28	T S	AGE	TOTAL	Wet Bulb				•	9	16	-10	76	12	*	130	169	141	113	52	64	12	**	9					1240				
### Bub Tawerature Depression (*) - 2				Dry Bulb	~ ~	-	•	2	29	4	99	104	121	14.	119	82	69	32	22	*	8	0	9 -	•				1240	a.	2 93		
2 - 6 - 7 - 8 - 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 23 - 26 27 - 28 29 - 30 12 20 23 20 20			TOTAL		NN	1	9	0 4	29	4	99	100	121	141	110	101	69	25	27	4.	en.	6	9 -	-				1240	Temperatu	≥80 F		
3.6 7.8 9.10 11.12 3.14 15.18 17.28 17.22 23.24 25.26 27.28 29.39				±31																									dours with	1 4		-
3.6 7.8 9.10 11.12 13.14 13.16 17.18 19.20 21.22 23.24 23.26 27.17 18 19.20 21.22 23.24 23.26 27.17 18 19.20 21.22 23.24 23.26 27.17 18 19.20 21.22 23.24 23.26 27.17 18 19.20 21.22 23.24 23.24 23.26 27.17 18 19.20 21.22 23.24 23.26 23				29 -																									4		0.1	
S. G. 7 · 8 9 · 10 11 · 12 13 · 14 15 · 16 17 · 18 19 · 20 21 · 22 23 · 24 23 · 24 23 · 24 23 · 24 23 · 24 23 · 24 23 · 24 23 · 24 23 · 24 23 · 24 23 · 24 23 · 24 23 · 24 23 · 24 23 · 24 23 · 24 23 · 24 23 · 24 23 · 24 24 · 24 24 · 24 24 · 24 24 · 24 24 · 24 24 · 24 24 · 24 24 · 24 24 · 24 24 · 24 24 · 24 24 · 24 24 · 24 24 · 24 24 · 24 24 · 24 ·	YEARS								-			1		_									-			-			Mean	2 67		-
WET BULB TEMPERATURE DEPRESSION (F) 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23. 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23. 5.7 2.3 1.5 2.2 2.1 1.1 2.2 2.2 2.1 1.1 2.2 2.2 2.2				24 25 .					+			+					-			-			+				-	-		≥ 32 F	14.	
APAN STATION NAME WET BULB TEMPERA 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 2 - 3 - 1 - 1 - 1 - 1 1 - 8 - 1 - 1 - 1 2 - 3 - 5 - 5 - 5 - 5 2 - 3 - 5 - 5 - 5 - 5 3 - 1 - 7 - 1 - 1 3 - 1 - 7 - 1 - 1 3 - 1 - 7 - 1 - 1 3 - 1 - 7 - 1 - 1 3 - 1 - 7 - 1 5 - 5 - 7 - 8 - 1 5 - 6 - 8 - 1 5 - 7 - 8 - 1 5 - 7 - 8 - 1 5 - 7 - 8 - 1 5 - 7 - 8 - 1 5 - 7 - 8 5 - 7 - 8 5 - 7 - 8 5 - 7 - 8 5 - 7 - 8 6 - 7 - 8 7 - 7 - 8 8 - 1 - 7 - 7 - 8 8 - 1 - 7 - 7 - 7 - 7 - 8 8 - 1 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7				- 22 23 -		-			+			+								-			-				1	+		40 F		
APAN STATION MANE WET BULB TEMPERA 5 · 6 7 · 8 9 · 10 11 · 12 13 · 14 15 2 · 2 · 2 · 2 · 2 1 · 8 · 9 · 10 11 · 12 13 · 14 15 2 · 3 · 9 · 10 11 · 12 13 · 14 15 2 · 3 · 3 · 1 · 1 · 1 · 1 1 · 1 1 · 14 15 2 · 3 · 3 · 1 · 1 · 1 · 1 · 1 1 · 1 1 · 14 15 2 · 3 · 3 · 1 · 1 · 1 · 1 · 1 1 · 1 1 · 14 15 2 · 3 · 3 · 1 · 1 · 1 · 1 · 1 · 1 1 · 1 1 · 14 1 · 1	11		ON (F)	9 - 20 21					\dagger			+																	+	0	0	
APAN STATION NAME WET BULB TEMPERA 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 2 - 3 - 1 - 1 - 1 - 1 1 - 8 - 1 - 1 - 1 2 - 3 - 5 - 5 - 5 - 5 2 - 3 - 5 - 5 - 5 - 5 3 - 1 - 7 - 1 - 1 3 - 1 - 7 - 1 - 1 3 - 1 - 7 - 1 - 1 3 - 1 - 7 - 1 - 1 3 - 1 - 7 - 1 5 - 5 - 7 - 8 - 1 5 - 6 - 8 - 1 5 - 7 - 8 - 1 5 - 7 - 8 - 1 5 - 7 - 8 - 1 5 - 7 - 8 - 1 5 - 7 - 8 5 - 7 - 8 5 - 7 - 8 5 - 7 - 8 5 - 7 - 8 6 - 7 - 8 7 - 7 - 8 8 - 1 - 7 - 7 - 8 8 - 1 - 7 - 7 - 7 - 7 - 8 8 - 1 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7	13		DEPRESSI	17 - 18 1					•			+											1				1		No. Obs.	124	124	
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*	3324 STATION		Temp.	(F)	72/ 71	-	3	64/ 03	-		-	-	50/ 49					-	36/ 33	100		1			20/ 19	1	1.	OTAL	Element (X)	Ref. Hum.	Dry Bulb	

PRINTED BY THE STANDARD REGISTER CONTAIN, D. S. A.

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(1.8.7.)		Wet Bulb Dew Point								69			106						22	16	,	120		Total	720.0	750.0
PAGE 1 HOURS (L.S.T.)	TOTAL	Wet Bulb					24	37	8 2	126	171	140	121	95	39	42	18	•	-			1200		-	-	-
		Dry Bulb	~	7	7 21	W R	96	104	132	136	135	73	640	27	22		. *	2				1200		≥93 F		
	TOTAL		~ ~	- ~		W R	86	104	132	90	135	13	64	27	22	1.	*	N				1200	Mean No. of Hours with Temperature	≥80 F	1.2	
		231																					ours with	273 F	7.8	
		29 - 30																					40. of H	AI	2	
		27 - 28 29												T									Mean	≥ 67 F	67.2	1
		25 - 26						1																32 F		-
		23 - 24 2					T	1																N S	-	-
		- 22						1									+							2 0 F		-
	ON (F)	9 - 20 2	-		-	2-	:	1									-					~	1	6		
	WET BULB TEMPERATURE DEPRESSION (F)	10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21	7				+	1	-								1					~	o o	1200	1200	
	ATURE D	2 - 16 1	-		-	7		1						+											0	
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	Temp.		100	52	73	6	65	63	200	53	500	31	65	4.5	.43	78	33	38	93	53	53		Element (X)	Rel. Hum.	Dry Bulb	-
	Ter		82/	78,	35	2	9	100	200	58/	54	52/	200	9	*	45/	38	36	34/	30	35	OTA	Eleme	Rel.	Dry	1 0

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STATION	STATION NAM		s	TATION NAM									YEARS	\$2				MONTH	тн
																		PAGE 1 HOURS (L.S.T.)	(1.5.1.)
Temp.						WET BULB TEMPERATURE DEPRESSION (F)	3 TEMPER	ATURE D	EPRESSIC	ON (F)						TOTAL		TOTAL	
(F)	0 1.2	3 - 4	5.6	7 - 8	9 - 10	11 - 12	13 - 14	5 - 16 1	7 - 18 1	11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23	1 - 22 2;	3 - 24 25	5 - 26 27	- 28 29	. 30 = 31		3. Dry Bulb	Wet Bulb Dew	Dew Point
84/83															\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	14			
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-	.1 1.1	-	2	3.0	1.0	~	•	.2		-		le de				15		17	
-	7	2.	2.		2.3		.2	.3		-						16			35
-	~		2.1	1.9	1.5	6.	.3									164	4 164		
-	•	-	-		1.9	9.										16	110		
-			-			. 2	-									22			
-	2	-	-		9.		7.		-			-		-		6			
-	. 2	-			*											•			
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					•			?	:	•	•					1240		1240	
Element (X)	Σ_{X^2}			Σ×	-	×	σx		No. Obs.	+	1	1	1	Mean No.	of Hours	Mean No. of Hours with Temperature	ature		
Ref. Hum.	67	64151		89153		71.9 1	606.9	0	124	0	≥ 0 F	≥ 32		≥ 67 F	≥73 F	280 F	2 93		Total
Dry Bulb	52	03490		79956			6.216	9	1240	C				292.8	9699	*			744.0
Wet Bulb	43	4318864		72808			5.72	1	124	0				53.4		80			744.
	-												-				The second secon		

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PSYCHROMETRIC SUMMARY

STATION														2					0	L BO	
																				HOURS (L.S.T.)	S.T.)
Temp. (F)	0	1.2	3.4	5.6	7.8	9 - 10		JLB TEMF	15 - 16	WET BULB TEMPERATURE DEPRESSION (F)	N (F)	- 22 23	. 24 25 .	. 26 27	. 28 29	- 30	31 D.B.	TOTAL D.B./w.B. Dry	Dry Bulb N	TOTAL Wet Bulb	Dew Point
90/ 89						.:	.2											24	~ 4		
					2.			7.5										13	25		
80/ 79			. 2	**			1.7		.2.	::				-				280	28	-	
		2.	•				T				+			+		+	-		. 89	-	
	2	1.3	-		2.6		•, •	• •											137	200	~
72/ 71	1.0	2.5		~	-	1,6		•											155	8	55
0	1.0		•	2.	-	•	•				+	-	+	+	+	+			00	124	9
69/99	1.2	3.4	-			2 -	:												115	225	22
15	.2		2.	•										-				67	5	170	177
10 /20	7.	-			•							-	+	+	+	+	+	150	25	120	-
			. 2	•														'n	5	56	2
100		1.	.2															•	m		43
52/ 51																				-	208
48/ 47	5.7	24.3	5.724.323.216.712.2	16.7	12.2	9.7	9.1	2.0	100									12	1200		1200
																	=	1200		1200	
Element (X)		ZX2			×		×	×		i do					N C C C C C C C C C C C C C C C C C C C	- John Hour	- His	Mean No. of Hours with Temperature			
Rel. Hum.		750	4600		0208	+		1	1	1200	+	× 0 F	\$ 32	-	267 F	273 F		280 F	2 93 F	-	Total
Dry Bulb		408	1111		8603	+	10.0	5.275	2 2	1200	+		5	+	196.0			36.0	2	-	90.
Wet Bulb		5241	144		79162	+-	0.9	4.0	10	1200				100	345.6	32.4		2			720.0
Dew Point		482	4824906		7586	+	63.2	4.878	78	1200				-	16.4		9.				20.

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PRINTED BY THE STANDARD REGISTER CONFANA.

STATION	STATION NAMES	-	244	TATION NAM	-			1	13011			YEARS				1	HONTH	J HIM
																	PAGE 1 HOURS (L.S.T.)	(1.5.1.)
Temp.						VET BULL	3 TEMPER	TURE D	WET BULB TEMPERATURE DEPRESSION (F)						TOTAL		TOTAL	
(£)	0 1.2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14 15	1 91 - 1	12 13 - 14 15 - 16 17 - 18 19 - 20 21	. 22	23 - 24 25	- 26 27	. 28 29 .	30 ≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb Dew Point	Dew Po
96/95						.:		7							- ~			
-				7.	4	0.00	21	~-							15	200		
10 /00			2.	7.5	40	0.4	2-								200			
			· ·			0.4	o								191		101	
25 / 75		0.0	5			.:	•								173			
			-:-	0 -	.2	2									181			
72/ 72	~	•	0.7	:::		:									30	20	191	311
66/ 63	•		•												1.5			
1	-														7		*-	
58/ 59																		r ~
	2.117.724.723.516.0	724.7	23.5	16.0	0.0	2.1	1.6		7						1240	1240	1240	2
Element (X)	2×2			××		×	ř,		No. Obs.			ž	No. o	Mean No. of Hours with Temperature	th Tempera	ture		
Rel. Hum.	780	13595		97395		-	1.14	0	1240	4 0 F	= 32		₹ 67 F	≥73 F	280 F	2 93 F		Total
Dry Bulb	780	7805754		98168			5.239		1240			7	739.2	676.8	337.6	-	8.	744.0
Wet Bulb	20	76977		9157			3.37	~	1240			7	20.0	525.0		•		166.

0 0 0 0

MONTH MONTH OURS (L.S.T.)		Wet Bulb Dew Point				4	228		253			1240			Total	744,0	*
PAGE 1 HOURS (L.S.T.)	TOTAL	Wet Bull				-	123	32	3.	-		1240					_
		Dry Bulb	r 0	50	136	158	175	125	36	- N		1240		e.	1	7.	
	TOTAL	-	-0	250	107	158	175	125	36	- 0		1240		Mean No. of Hours with Temperature	≥80 F	445.2	
		≥31												urs with	≥73 F		
		30												of Ho	7.2	717	
		. 28 29											+++	Aean No	≥ 67 F	743.4	
YEARS		- 26 27											+++	-			
		- 24 25												+	≥ 32		
		. 22 23							-						2 0 F		
	N (F)	10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21								-				+			
	WET BULB TEMPERATURE DEPRESSION (F)	. 18 19	~-	2					-			iu.	+++	No. Obs.	1240	1240	
	URE DEF	16 17	2-	9 2	7.	1.			+			2.		ž			
	MPERAT	14 15	~	m	SO	~			+	-		-		σ×	036	5.072	-
	BULB TE	12 13 .		-			2	-	-	-		m		+	-		
	WET	. 11 0			~			-	-	-		9	11	×	76.1	91.1	
NA K		9.		1.	A	~~				_		12.		1	1		-
STATION NAME		7 - 8			24	20						9.61		×x	944	100520	-
		5.6			6.0		* *		•			118.6					
		3.4				200	-	0.4		. 2		1.62			9609	8180482	
		1.2				1.2	1.6		1.0	- 2		4.6		2x2	736	818	
		0							*			1.91					
	6		93	- 6	5 5	6.0	22	22	= 9	55	69			(X)	E .	ag Q	
STATION	Tem	(F)	196	126	23	33	20	22	12/	•	33	OFAL		Element (X)	Rel. Hum.	Dry Bulb	

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1	. S.T.)		Dew Point					11	64	130	125	129	1.90	114	105	35	33	7,	1200			Total	720,0	720.0
HONTH	PAGE 1	TOTAL	Wet Bulb				-	75	*	132	100	136	120	12	3	1	•	2		1200		-		
	•		Dry Bulb W	47	22	*	61	112	141	118	82	108	: 5	2 8	2.0	•	-		1200			2 93 F		
		-	D.B./W.B. Dr	23	9.5	3	67	112	147	8	500	108	17	30	75	-	-		-	1200	Mann of Hours with Temperature	280 F	48.8	
		2				-							+			+				=		^1	-	
			30 ≥ 31						_	1			+			-						≥73 F	438.6	212
			28 29 . 3																		2	-		
YEARS			27 .																		N Look	2 67 F	616.8	46
			25 - 26																			32 F	5	
			23 - 24 25																			VI	+	-
			11 - 22 23																			40 F		
		(F) NO	9 - 20 2		-														1-			C	0	0
		WET BULB TEMPERATURE DEPRESSION (F)	. 14 15 . 16 17 . 18 19 . 20 21		ă.											1					3	1200	120	1200
		ATURE D	1 91 - 5	~		::	.2	-72	.2	1			1			+			1				0	
		TEMPER,	- 14 15	-:~				w .v.	.2		:					+			1.9		6	91.	6.820	1.576
		T BULB	10 11 - 12 13							0	7.7		1			+						-	•	-
		WE	10 11	-				00		•	- 19			:		+			8			76.5	74.	9.89
STATION NAME			. 8 9	7		0	~	1.8 2	0			9.		:		+			014.			808	88916	310
STATIC			6 7		1	-	~	n ō	2	-	7.5	0		n m		+			-214		A A	15	88	82
			4 5.					1.7 2.					- 1			0 -			1.519.425.618.214.410			=	. 0	4
			2 3.			-	- 4												425		+	312	6644156	8300
5			1-:		-	-		1. 2.							•	-			519.			72	99	56
1			0							1														
STATION		Temp.	(F)		5:						===	6	69	55	65	1			-		(8)	Ref. Hum.	Dry Bulb	Wet Bulb
31		Te		200		3	82/	96	2	2	25	89	3	5	9	26	35	200	107			P. I.	Dry	Wet

Total			1240	200	7	6	2 2	10	8	91	117	127	104	143	131	129	82	58	27	5		9							Dew Point		L.S.T.)
+		1240				-	n ~	2	27	37	99	66	134	145	165	162	147	120	*	30	*		*						Wet Bulb Dew Point	TOTAL	HOURS (L.S.T.)
2 93 F	1 1		1240						•	1.	17	3	25	70	114	127	152	141	126	118	*	81	36	28	12	v m			Dry Bulb	1	21
7.2	Mean No. of Hours with Temperature	1200						0	0 1	17	17	3	23	70	114	127	152	141	126	118	46	81	36	28	12	v m	•		D.B./W.B.		
273 F	urs with							1																			1		≥31		
	o. of Ho							1											7			1					1		8.30		
367 F	Mean N					-		+														1					+		7 . 28 29		
	1							+												1		1					+		. 26 27		
232						-		+											_		78	-					+		- 24 25		
10 F	11							+								_						-					+		. 22 23	- 1	
	H					-		+																			+		. 20 21	(F)	
1240	No. Obs.		. 2																			-		7			+		11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21	WET BULB TEMPERATURE DEPRESSION (F)	
	Ц		1.0					1								-				-	.2	.2	~	7	-		1		5 - 16 17	ATURE D	
15.094	ď,		2.7												7.	_		.2	er.	.2	9.			~	.2	-:	•	7	3 - 14 1	TEMPER	
73.5	1 1		6.9												.2			•	8		1:1	1.0	.2				1	7	1 . 12 1	VET BULB	
+	H		10.8										.2	.2			1.0	1.1	1.3	1.7	1.0	1.7	1,0	9.			1		9 - 10	>	
91155	XX		2.5										1.				2.3				1.5			9.		7.			7 . 8		
			15.81										.3		1.8	1.9		2.2	1.9		1.5	1.0		.2	.2		1		5.6		
6983309 K247144			23.5					1.	1.				1.9	1.5	2.8	2.3	5.9	2.6	2.3	2.2	1.5	•	.3	-	.1		1		3.4		
678 826	Σx^2		.822.723.515				::		9.		••	•	-	;		-		?		•		1.	.2						1.2		
			1.8											.2		.5		.2	.2	.2	.1								0		
Rel. Hum. Dry Bulb	Element (X)		/ 3! AL	/ 33		-				-	-		-	-	-	-	-	-	-	-	1	-	-	-	-	-	J.	-	E	Temp.	
Pa C	Elem		20	24	30	90	: 3	2	•	30	32	3	36	28	90	62	*	99	89	20	72.	2	76	78	80	82	0			7	

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PSYCHROMETRIC SUMMARY

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YEARS

lemp.	-		1	1	\$	ET BULE	TEMPERA	TURE DEP	WET BULB TEMPERATURE DEPRESSION (F)			- 1			TOTAL		TOTAL	
	0 1.2	3.4	5.6	7.8 5	9 - 10 1	1 - 12 1	3 - 14 15	- 16 17	- 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21	- 22	23 - 24 25	. 26 27	. 28 29 -	30 ≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb Dew Point	Dew Poi
11				.1		.1		107				-			2			
74/ 73			.2			1									4			
			*		.2										6			
70/ 69	-	. 2	.2			.2	~								19			
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1			•		1.2	4									94		12	8
64/ 63	•							7.							63			
1	1.1	7	3	7	100	.2	-	-							97			
		2	-	~			-:	-					_		107			
58/ 57	-	-	7	~											96		82	33
	1.8	2	-	-	1.2	4									109			
54/ 53		-	2			-							N.		104		1	
-		7	2.		•										100			
-		2.	-		.2								_		89			
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	2.	1:	1.												49			
-	=	-	•												42			
40/ 30	B. E.	a.	. •												36	36	63	101
1	•	*													16			
36/ 35		•								1					13			
1	2.													_	~			
32/ 31																	~	*
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20/ 27																		
					1	1			-		-	-	+	-				
OTAL	1.223.324.720.616	24.7	20.6	-	1.6	4:4	6.	.2						_	_	1200		1200
										2			- V		1200		1200	
Element (X)	×x2	-		Z.X	1	 	g*	ž	No. Obs.	1		*	Mean No. o	F Hours w	of Hours with Temperature	ture	1	
Rel. Hum.	629	3051		85071	-	70.9	4.786		1200	≥ 0 F	≥ 32	-	≥ 67 F	≥73 F	≥80 F	≥93 ₽	-	Total
Dry Bulb	357	3573387		64751		54.0	8.141		1200				41.4	3.6	_		-	720.
Wet Bulb	294	2890		58774		49.0	7.192		1200			1.8	3.0					720.0
Dew Point	261	3007		00000	7.7	-				-			7		-	-		

IMAKUNI. JAPAN

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Element (X) Rel. Hum. Dry Bulb Wet Bulb Dew Point

22/ 23

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INAKUNI, JAPAN

5 PSYCHROMETRIC SUMMA JAN 68

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•	•	1.2	3.4	9.5	7 . 8	9 - 10	10 11 - 12 13	13 - 14	. 14 15 . 16 17 . 18 19 . 20	7 - 18 1	9 - 20 2	21 - 22	23 - 24	25 - 26	27 . 28	29 .	30 ≥ 31	D.B./W.B.	B. Dry Bulb	Wet Bulb	b Dew Point
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66 / 63							0	0	0	0								80	8		
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58/ 67	.3	1.3	1.2	9.		.5	.2	7.	0	0.	0.						_	104	104	-	_
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	1.		.3	0.														183		-	_
	•		.1															•			
Element (X)		ΣX^2			Σx		×	σ×		No. Obs.					Mear	Mean No. of	Hours with	with Temperature	rature		
Rel. Hum.												≥ 0 F	VI	32 F	₹ 67	F.	≥73 F	≥ 80	F ≥93		Total
Dry Bulb																					
Wet Bulb						-					-		-			-					

STATION

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PSYCHROMETRIC SUMMA JAN 68 8760.0 PSYCHROMETRIC SUMMARY Dry Bulb | Wet Bulb | Dew Point 310 122 27 9 4608 8760.0 PAGE 2 HOURS (L.S.T.) Total ALL 80 36 TOTAL 4608 9.6 ≥ 93 F 4608 Mean No. of Hours with Temperature 187.63382.22274.6 981.0 440.02398.81376.4 57.6 453.01949.41122.0 16.2 TOTAL D.B./W.B. 8095 O 131 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 \$ 0 F 0 WET BULB TEMPERATURE DEPRESSION (F) : 73-77 14608 14608 14608 No. Obs. ~ . 15.166 4.400 16.031 1.5 4.2 55.5 51.0 73.3 8.7 1070763 126497 196908 7.8 3.223.024.919.214.5 IMAKUNI, JAPAN 3.6 56348443 00 41740781 81846731 -00 1.2 0 0 20/ 19 18/ 17 14/ 13 12/ 11 Element (X) Rel. Hum. Wet Bulb **Dew Point** Dry Bulb (F) DTAL 16/

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MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY DBSERVATIONS

43354	INT	MAKONIO JAPAN					73-77	1						
STATION			18	STATION NAME						YEARS				
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
8	S. D. TOTAL OBS	30.1	39.6	44.4 6.267 155	54.9 6.038 150	61.6 4.686 155	3.072	76.5 3.433	2.785	71.3 5.603 150	61.8 5.379 155	51.3 7.487 150	42.2 6.155	57.5 14.857 1826
60	S. D. TOTAL OBS	37.0	38.2	42.6 6.732	53.2	59.4	3.460	75.0 3.346	2.909	6.002	5.773	49.8	41.0 6.046	55.9 14.825 1826
8	S. D. TOTAL OBS	36.3	37.2 7.053	7.004	51.8 6.895 150	5.498	3.770	3.181	3.127	6.345	5.948	48.6 7.737	40.2	14.887
60	S. D. TOTAL OBS	36.4	40.3 6.186	5.461	5.825	65.2 4.395 155	3.635	3.938	3.926	74.5 5.699 150	4.840	52.9 7.335	43.1 5.830 155	59.8 15.622 1826
21	S. D. TOTAL OBS	45.6	46.3 6.046 141	5.737	5.714	68.3 4.377	74.4	82.8 4.485	4.370	78.8 5.522 150	5.032	59.6	50.3	14.462
2	S. D. TOTAL OBS	46.5	47.8 6.909	53.0 6.053	5.999	70.2	75.6 4.845	4.538	4.583	79.2 5.658	71.2	6.330	51.4 5.909 155	14.510
2	S. D. TOTAL OBS	43.1 5.106	45.2	5.598	5.888	68.5 4.394 155	74.3	82.4 4.599 155	4.050	5.094	4.717	56.3 6.557	47.3 6.012	69.4 15.020
12	MEAN S. D. TOTAL OBS	39.9	41.7	47.3 5.791	57.6 5.372 150	64.3	3.227	3.780	3.041	73.4	5.175	52.8 6.828 150	6.115	59.7 14.831
ALL	S. D. TOTAL OBS	6.300	42.0 7.624	7.309	7.152	64.5	5.275	5.240	5.072	74.1 6.821	64.8	54.0 8.142 1200	7.174	15.354

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MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

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43354	IMI	IMAKUNI, JAPAN	ZADAZ				73-77	11						
STATION			15	STATION NAME						YEARS				
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
8	S. D. TOTAL OBS	35.3 5.177	36.8	41.1	51.3	57.4 5.786 155	3.626	72.7 2.888 155	74.1 2.425 155	5.370	58.3 5.428 155	7.166	39.2 5.780 155	53.9
60	S. D. TOTAL OBS	34.5 5.150 155	35.8	40.0 6.625	50.2	56.1	63.8 4.050	3.047	73.3	5.920	57.1	7.194	38,3 5,925 155	53.0
90	S. D. TOTAL OBS	34.1 5.197	35.0	39.2 6.740 155	7.166	55.5 6.197	4.333	3.006	72.8 2.901 155	65.8	5.983	45.8 7.284	37.8 5.957 155	52.3 14.69
60	S. D. TOTAL OBS	35.3	37.1	5.688	52.6 6.009	5.087	3.498	74.1 3.212 155	2.778	5.422	59.1	48.4	39.6 5.730 155	14.74
12	MEAN S. D. TOTAL OBS	39.5 4.480 155	40.6 5.880	5.404	5.535	4.766	3.495	75.6 3.083	2.787	70.4 5.075 150	5.114	51.9 6.231	43.9 5.528 155	13.70
2	S. D. TOTAL OBS	40.1	41.3 6.187	45.6 5.548 155	5.460	61.4	3.439	75.8 2.992 155	2.664	70.7 4.828	62.3	\$2.2 6.392 150	44.5 5.842 155	57.9 13.61
82	S. D. TOTAL OBS	38.3 4.908	40.1 6.470	5.489	5.274	4.752	3.239	3.159	76.1 2.649 155	4.733	61.1 5.123	50.6 6.790	42.5 5.980 155	14.00
2	MEAN S. D. TOTAL OBS	36.4	38.1	42.9 5.891	5.641	59.1	3.238	73.8	74.8 2.657 155	5.064	5.504	48.6	40.5 5.824 155	55.2 14.27 182
ALL	S. D. TOTAL OBS	5.329	38.1	6.378	52.7	58.7	4.011	3.372	3.013	5.576	5.756	7.193	40.8	14.40

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MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY DESERVATIONS

43354	IMA	IMAKUNI	APPA				73-	-77						
STATION	_		STA	TATION NAME						YEARS		+		
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
96	S. D. TOTAL OBS	31.0	32.5 8.187 141	wr	47.8 8.294 150	54.2 7.705 155	62.8 4.673	3.186	72.2 2.908 2.908	65.8 5.923 150	55.7 6.383 155	44.1 8.101	35.2 6.747	50.9 15.815 1826
50	S. D. TOTAL OBS	30.8 5.974	32.2	36.5 7.906 155	47.4 8.374	53.4	62.3 4.836	3.331	3.071	65.0	54.9	43.2 8.224 150	34.7 6.900 155	50.3 15.792 1826
90	S. D. TOTAL OBS	30.7	31.6	35.9 7.785 155	46.7 8.472 150	53.1 7.540 155	5.111	70.5 3.294 155	3.285	64.3	53.9	7.990	34.4	49.8 15.812 1826
60	S. D. TOTAL OBS	30.7	32.2 8.098 141	36.5 8.133	47.7 8.196	8.008 155	63.4	71.8	3.309	6.160	55.1 6.776 155	8-148	34.9	50.9 16.208 1826
12	S. D. TOTAL OBS	91.9 6.836 155	32.6 8.835 141	36.8 8.358 155	49.1 7.995 150	34.6 7.668 155	63.8	72.5 3.581 155	73.1	66.0	55.9	8.206	36.0 8.210	51.5 16.264 1826
13	S. D. TOTAL OBS	7.105	32.6 9.011 141	36.98.584	49.0 8.530	8.155 8.155	4.791	3.461	3.342	96.4 6.049	56.2 7.316 155	8.962	36.0	51.6 16.358
	S. D. TOTAL OBS	31.6	32.8 9.139 141	37.8 8.586 155	7.602	8.273 155	63.8 4.793	72.3	3.382	5.991	56.5 7.118	8.866	36.6 7.961	51.7 16.076 1826
12	S. D. TOTAL OBS	31.2	32.9 8.168 141	37.3 8.076 155	7.721	55.1 7.673 155	63.8	3.050	72.3	5.967	55.8 6.884	8.287	35.9 6.981 155	51.3 15.854 1826
ALL	S. D. TOTAL OBS	31.1 6.376 1240	32.4	36.8 8.141	8.179	7.852	63.2	3.507	3.320	65.7	6.940	8.360	35.5	51.0

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY DBSERVATIONS

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STATION	1		12	STATION NAME										
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
95	S. D. TOTAL OBS	78.6 1.817 155	1.813	1.917	79.0 2.150	78.3 2.072 155	2.190	76.9 1.585 155	1.678	1.459	1.990	1.757	78.0 2.080 155	77.9 2.029
20	S. D. TOTAL OBS	1.921	1.842	1.860	78.6	78.0 2.147	2.194	76.5	1.665	1.421	1.944	77.6 1.858 150	2.267	2.054
80	S. D. TOTAL OBS	61.0 2.535 154	2.467	81.4	81.6 2.618	2.430	80.0 2.260 150	78.4	78.5 1.898 155	2.178	2.259	81.1	80.8 2.870 155	80.4 2.587 1825
=	S. D. TOTAL OBS	3.095	2.541	2.696	2.818	84.3 2.521 155	83.4	81.3 2.501	81.5 2.291	2.407	82.9 2.865 155	83.1 2.651	83.2 2.609 155	83.1 2.796 1826
*	S. D. TOTAL OBS	83.0 3.029 155	2.726	3.035	3.188	84.3 2.724 155	83.3	81.2 2.650 1.55	81.4 2.428 155	82.4 2.711 150	3.130	83.2	83.2 3.217 155	83.2 3.060 1.826
1.1	S. D. TOTAL OBS	2.731	2.858	83.2 2.736 155	2.930	82.2 2.515 1.55	80.9	1.980	2.113	2.384	2.654	81.3	81.4 2.751	81.2 2.886 1825
50	S. D. TOTAL OBS	1.669	2.164	2.044	2.259	79.2 2.257 1.55	78.4 2.026 150	1.564	1.670	77.8	1.990	1.847	78.8 1.975	78.6 2.118 1825
62	S. D. TOTAL OBS	1.698	1.871	1.989	2.256	78.8 2.279 155	1.858	77.1 1.531 1.53	1.640	1.378	1.870	78.6	78.6	78.4
ALL	S. D. TOTAL OBS	2.962	3.301	3.361	3.381	3.403	3.309	2.574	2.781	2.889	3.154	3.066	3.274	3.269

RELATIVE HUMIDITY

IMAKUNI, JAPAN 43354

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STATION

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STATION NAME

73-77

PERIOD

JAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MEAN TOTAL		76.1 155	78.8 155	80.5 155	74.5 155	58.7 15.5		+-	
	%06 L	7.1	9:7	12.9	7.1	3.9		4.5	
	80%	35.5	47.7	55.5	31.6	8.4	The state of the latest designation of the l	7.1	7.1
ATER THAN	%02	10.3	81.3	83.2	62.6	18.1		12.3	12.3
HUMIDITY GRE	%09	92.9	96.8	95.5	90.3	37.4		32.9	32.9
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	20%	4.66	98.7	4.66	4.66	68.4		65.8	89.4
GE FREQUENCY	40%	100.0	100.0	100.0	100.0	95.5		92.3	92.3
PERCENTA	30%	100.0	100.0	100.0	100.0	39.4		4.66	99.4
	20%	100.0	100.0	100.0	100.0	100.0		100.0	
	10%	100.0	100.0	100.0	100.0	100.0		100.0	100.0
HOURS	(L.S.T.)	00	60	90	60	12		15	15
MONTH	U I I	JAN							

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RELATIVE HUMIDITY

IMAKUNI, JAPAN 43324

STATION

STATION NAME

73-77

MONTH FEB

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

-	HOURS			PERCENTA	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	OF RELATIVE	HUMIDITY GRE	ATER THAN	7,		MEAN	TOTAL
WONIE	(L.S.T.)	%01	20%	30%	40%	20%	%09	70%	80%	%06	HUMIDITY	OBS.
FEB	00	100.0	100.0	100.0	100.0	66.3	1.06	71.6	36.9	12,1	76.4	141
	60	100.0	100.0	100.0	100.0	66.3	95.0	83.0	51.8	14.9	79.6	141
	90	100.0	100.0	100.0	100.0	66.3	0.56	84.4	54.6	20.6	80.8	141
	60	100.0	100.0	100.0	100.0	95.0	83.7	58.9	31.9	14.2	73.8	141
	12	100.0	100.0	99,3	93.6	67.4	41.1	28.4	14.9	4.0	8.09	141
	15	100.0	100.0	97.9	86.5	58.9	34.0	25.5	16.3	8,5	58.1	141
	18	100.0	130.0	100.0	95.0	73.8	53.2	35.5	14.9	9.0	63.5	141
	21	100.0	100.0	100.0	100.0	97.2	75.9	51.1	28.4	6.6	71.9	141
			•									
TOTALS	STI	100.0	100.0	2.66	6.96	86.3	71.0	54.8	31.2	11.5	70.6	1128

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RELATIVE HUMIDITY

IMAKUNI, JAPAN 43354 STATION NAME

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MONTH MAR

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

(1.5.1) 10% 20% 30% 40% 50% 70%	na.	HOURS			PERCENT	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	Y OF RELATIVE	HUMIDITY GRE	EATER THAN			MEAN	TOTAL
00 100.0 100.0 100.0 100.0 99.4 83.2 65.2 03 100.0 100.0 100.0 98.7 92.9 78.1 06 100.0 100.0 100.0 98.7 95.5 83.2 06 100.0 100.0 100.0 98.7 98.1 89.7 68.4 38.1 18.1 12 100.0 99.4 99.4 88.4 66.5 38.1 18.1 18.1 18 100.0 99.4 98.7 91.6 73.5 47.7 30.3 21 100.0 100.0 99.4 98.7 91.6 73.5 47.7 30.3 21 100.0 100.0 99.4 92.3 70.3 43.9 100.0 100.0 99.4 92.3 70.3 43.9 100.0 100.0 99.4 84.8 66.2 46.6	MONIN	(LS.T.)	10%	20%	30%	40%	%05	%09	%02	80%	%06	HUMIDITY	OBS.
03 100.0 100.0 100.0 100.0 98.7 92.9 78.1 06 100.0 100.0 98.7 95.5 83.2 09 100.0 100.0 98.7 98.1 89.7 68.4 38.1 12 100.0 99.4 98.7 91.6 73.5 47.7 30.3 21 100.0 100.0 99.4 98.7 91.6 73.5 47.7 30.3 21 100.0 100.0 99.4 98.7 91.6 73.5 47.7 30.3 21 100.0 100.0 99.4 92.3 70.3 43.9 100.0 100.0 99.4 92.3 70.3 43.9 100.0 99.9 99.1 95.4 84.8 66.2 46.6	HAR	00	100.0	100.0	100.0	100.0	4.66	83.2	65.2	35.5	14:2	76.0	155
06 100.0 100.0 100.0 100.0 98.7 98.7 98.7 98.4 38.1 38.1 12 100.0 99.4 99.4 88.4 66.5 38.1 18.1 15 100.0 99.4 98.7 91.6 73.5 47.7 30.3 21 100.0 100.0 100.0 99.4 92.3 70.3 43.9 21 100.0 100.0 99.4 92.3 70.3 43.9 100.0 99.9 99.1 95.4 84.8 66.2 46.6		60	100.0	100.0	100.0	100.0	7.86	92.9	78.1	51.0	18:1	79.7	155
09 100.0 98.7 98.1 89.7 68.4 38.1 18.1 12 100.0 99.4 98.4 66.5 38.1 18.1 15 100.0 100.0 96.1 85.8 59.4 33.5 16.1 18 100.0 99.4 98.7 91.6 73.5 47.7 30.3 21 100.0 100.0 100.0 99.4 92.3 70.3 43.9 21 100.0 99.9 99.4 92.3 70.3 43.9 100.0 99.9 99.1 95.4 84.8 66.2 46.6		90	100.0	100.0	100.0	100.0	48.7	95.5	83.2	52.9	22,6	81.0	155
12 100.0 99.4 98.4 66.5 38.1 18.1 15 100.0 100.0 96.1 85.8 59.4 33.5 16.1 18 100.0 99.4 98.7 91.6 73.5 47.7 30.3 21 100.0 100.0 99.4 92.3 70.3 43.9 21 100.0 99.9 99.1 95.4 84.8 60.2 46.6		60	100.0	100.0	98.7	98.1	89.7	4.89	38.1	18.1	7.7	67.4	155
15 100.0 100.0 96.1 85.8 59.4 33.5 16.1 18 100.0 99.4 98.7 91.6 73.5 47.7 30.3 21 100.0 100.0 99.4 92.3 70.3 43.9 100.0 100.0 99.4 99.4 92.3 70.3 43.9 100.0 99.9 99.1 95.4 84.8 60.2 46.6		12	100.0	4.66	4.66	88.4	66.5	38.1	18.1	13.5	5.2	58,3	155
18 100.0 99.4 98.7 91.6 73.5 47.7 30.3 21 100.0 100.0 99.4 92.3 70.3 43.9 21 100.0 100.0 99.4 92.3 70.3 43.9 100.0 99.9 99.1 95.4 84.8 60.2 46.6		15	100.0	100.0	96.1	85.8	59.4	33.5	16.1	4.4	6.5	56.3	155
21 100.0 100.0 100.0 99.4 92.3 70.3 43.9 100.0 99.9 99.1 95.4 84.8 60.2 46.6		18	100.0	4.66	98.7	91.6	73.5	47.7	30.3	14.2	9.0	62,3	155
100.0 99.9 99.1 95.4 84.8 66.2 46.6		172	100.0	100.0	100.0	4.66	92.3	70.3	43.9	21.3	10.3	4.69	155
100.0 99.9 99.1 95.4 84.8 66.2 46.6													
100.0 99.9 99.1 95.4 84.8 66.2 46.6													
100.0 99.9 99.1 95.4 84.8 60.2 46.6							2						
	δ	ALS	100.0	6.66	1.66	95.4	84.8	66.2	46.6	27.0	11.7	8.89	1240

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RELATIVE HUMIDITY

IMAKUNIS JAPAN 43354

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NO

STATION NAME

73-77

APR

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	Y OF RELATIVE	HUMIDITY GRE	ATER THAN			MEAN	TOTAL
MONIH	(L.S.T.)	10%	20%	30%	40%	20%	%09	70%	80%	%06	HUMIDITY	OBS.
APR	8	100.0	100.0	100.0	100.0	7.96	86.0	72.0	43,3	24.0	78,5	150
	60	100.0	100.0	100.0	100.0	98.0	0.46	81.3	55.3	28.0	81.6	150
	90	100.0	100.0	100.0	100.0	98.7	0.46	83.3	0.49	37,3	83.8	150
	60	100.0	100.0	100.0	98.7	90.0	70.7	45.3	28.7	20.02	71.1	150
	12	100.0	100.0	99.3	0.46	83,3	59.3	36.0	24.0	10.0	65.9	150
	15	100.0	99.3	96.7	40.7	72.7	51.3	32.7	20.0	9.3	63.0	150
	18	100.0	100.0	98.7	98.0	82.0	59.3	37.3	23.3	12.7	8.99	150
	21	100.0	100.0	100.0	98.7	92.0	78.0	58.7	35,3	19,3	74.2	150
<u></u>	TOTALS	100.0	99.9	99.3	97.5	89.2	74.1	55.8	36.7	20:1	13.1	1200
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RELATIVE HUMIDITY

IMAKUNI. JAPAN 43324

STATION

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STATION NAME

73-77

MONTH MAY

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

na.	HOURS			PERCENTA	AGE FREQUENC	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	HUMIDITY GRE	SATER THAN			MEAN	TOTAL
MONIN	(L.S.T.)	10%	20%	30%	40%	20%	%09	20%	80%	%06	HUMIDITY	088.
MAY	00	100.0	100.0	100.0	100.0	4.66	87.1	1.79	45.8	15.5	17.8	155
	60	100.0	100.0	100.0	100.0	100.0	34.5	78.7	55.5	21,3	81.2	155
	90	100.0	100.0	100.0	100.0	100.0	97.4	85.2	63.9	1.72	83.1	155
	60	100.0	100.0	4.66	96.1	89.7	62.6	43.2	30.3	16.1	4.69	155
	12	100.0	100.0	4.66	92.9	77.4	56.1	32.9	19.4	7:1	63.7	155
	15	100.0	98.7	1.86	90.3	73.5	51.6	7.62	14.8	6.5	61.5	155
	18	100.0	7.86	96.8	34.2	82.6	58.1	36.1	20.0	5.8	9.49	155
	12	100.0	100.0	100.0	98.1	92.3	79.4	61.3	36.8	12.9	73.7	155
TOTALS	ALS	100.0	4.66	99.2	6.9	4.68	73.3	54.4	35.8	14.0	71.9	1240

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RELATIVE HUMIDITY

IMAKUNIS JAPAN 43324

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STATION NAME

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENT	AGE FREQUENC	Y OF RELATIVE	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	EATER THAN			MEAN	TOTAL
WOW I	(LS.T.)	%O1	20%	30%	40%	20%	%09	%02	80%	%06	HUMIDITY	OBS.
200	8	100.0	100.0	100.0	100.0	100.0	7.86	92.7	0.49	7:22	93.6	150
	60	100.0	100.0	100.0	100.0	100.0	100.0	97.3	84.0	28,7	87.0	150
	80	100.0	100.0	100.0	100.0	100.0	100.0	7.86	88.0	35,3	88,3	150
	60	100.0	100.0	100.0	100.0	98.7	86.7	61.3	36.0	16,7	76,2	150
	12	100.0	100.0 100.0	100.0	100.0	95.3	73.3	90.0	24.0	10:7	11.11	150
	15	100.0	100.0 100.0	100.0	99.3	91.3	66.7	40.7	22.7	10.0	0.69	150
	18	100.0	100.0	100.0	98.7	92.0	72.0	49.3	31.3	14.0	71.6	150
	12	100.0	100.0	100.0	100.0	98.7	0.46	78.0	45.3	18.7	79.8	150
5	TOTALS	100.0	100.0	100.0	8.66	97.0	86.4	71.0	4.64	19.6	78.3	1200

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RELATIVE HUMIDITY

43324 IMAKUNIS JAPAN

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STATION NAME

73-77

PERIOD

JUL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	AGE FREQUENC	Y OF RELATIVE	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	EATER THAN			MEAN	TOTAL
E C C C C C C C C C C C C C C C C C C C	(L.S.T.)	10%	20%	30%	40%	20%	%09	20%	%08	%06	HUMIDITY	088.
Juc	00	100.0	100.0	100.0	100.0	100.0	100.0	8.96	9.65	19.4	83.2	155
	60	100.0	100.0	100.0	100.0	100.0	100.0	7.86	76.8	28.4	86.4	155
	90	100.0	100.0	100.0	100.0	100.0	100.0	4.66	86.5	31.0	88.0	155
	00	100.0	100.0	100.0	100.0	9.66	95.5	80.0	37.4	12,9	78,3	155
	12	100.0	100.0	100.0	100.0	7.86	89.7	56.1	20.0	3,2	72,1	155
	15	100.0	100.0	100.0	100.0	7.86	7.87	45.6	13.5	3,2	1.69	155
	1.8	100.0	100.0	100.0	100.0	4.66	1.78	52.9	21.9	5.8	72,3	155
	12	100.0	100.0	100.0	100.0	100.0	98.7	80.0	38.7	12:9	78.9	155
TOT	TOTALS	100.0	100.0	100.0	100.0	99.5	93.8	75.8	44.3	14.6	78.5	1240

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RELATIVE HUMIDITY

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IMAKUNIS JAPAN

STATION NAME

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL	OBS.	155	155	155	155	155	155	155	155		1240
MEAN	HUMIDITY	81.4	84.6	86.6	75.5	00.69	66.3	69.3	76.4		76.1
	%06	13.5	51.9	27.7	9:7	4:5	3.9	5.2	9.0		11.9
	%08	54.8	74.8	82.6	27.1	15.5	4.6	13.5	31.0		38.6
ATER THAN	20%	92.3	1.96	97.4	67.1	38.7	56.5	45.6	73.5		8.99
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	%09	100.0	4.66	100.0	8.46	19.4	70.3	81.3	92.9		89.8
OF RELATIVE	%05	100.0	100.0	100.0	4.66	97.4	92.3	96.1	100.0		98.2
GE FREQUENCY	40%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
PERCENTA	30%	100.00	100.0	100.001	100.0	100.0	100.0	100.0	100.0		100.0
	20%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
	%01	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
HOURS	(L.S.T.)	00	60	90	60	12	115	18	21		TOTALS
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RELATIVE HUMIDITY

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL		3 150	7 150	5 150	6 150	3 150	3 150	1 150	2 150		
MEAN	HUMIDITY	83,3	85.7	86.5	75.6	66.3	66.3	70.1	78.2		-
	%06	19.3	19:3	21,3	7.3	5.3	3.3	7.3	14.0		
	80%	1.49	82.0	84.7	32.0	16.7	16.0	17.3	40.7		
ATER THAN	70%	7.26	7.46	95.3	68.0	34.7	35.3	48.0	80.0		
HUMIDITY GRE	%09	7.86	7.86	99.3	93.3	64.7	64.7	76.7	1.46		
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	20%	100.0	100.0	100.0	100.0	89.3	89.3	1.96	66.6		
GE FREQUENC	40%	100.0	100.0	100.0	100.0	98.0	7.86	99.3	100.0		
PERCENTA	30%	100.0	100.0	100.0	100.0	100.0	100,0	100.0	0.001		1 - 2
	20%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	10%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
HOURS	(L.S.T.)	00	60	90	60	12	15	18	12		
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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOTAL	OBS.	155	155	155	155	155	155	155	155			1240
MEAN	HUMIDITY	81.4	83.7	83,8	72,5	61.9	8.00	68.3	75.8			73.5
	%06	13.5	22.6	22.6	4:4	3.9	3.2	5.8	4:4		180	11:4
	%08	65.8	70.3	71.0	27.1	15.5	12.9	20.0	41.3			40.5
ATER THAN	%02	85.2	88.4	7.78	52.3	24.5	25.8	45.8	8.59			59.4
HUMIDITY GRE	%09	8.46	95.5	97.4	81.3	47.7	46.5	63.6	88.4			76.9
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	20%	7.86	100.0	100.0	96.8	74.8	73.5	92.3	98.7		1000000	61.6
GE FREQUENCY	40%	100.0	100.0	100.0	100.0	8.96	6.26	4.66	100.0			98.6
PERCENTA	30%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			100.0
	20%	100.0	100.0	100.0	100.0	0.001	100.0	100.0	100.0			100.0
	10%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			100.0
HOURS	(L.S.T.)	00	60	90	60	12	115	18	12			TOTALS
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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

TOTAL		150	150	150	150	150	150	150	150		
MEAN	HUMIDITY	77.2	79.0	81.2	72.8	59.3	57.7	66.5	73.5		
	%06	9.3	13,3	18.7	4:0	2.7	4.0	4:1	8.0		
	%08	43.3	55.3	62.7	22.0	6.7	6.7	13.3	24.0		
ATER THAN	20%	7.47	74.0	83,3	61.3	16.7	17.3	30.7	62.7		
PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	%09	92.0	91.3	92.0	83.3	43.3	36.7	65.3	83.3		
Y OF RELATIVE	20%	98.0	7.86	100.0	95.3	72.7	0.99	95.3	97.3		
GE FREQUENC	40%	100.0	100.0	100.0	100.0	0.96	92.0	66.3	100.0		
PERCENTA	30%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	20%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
	10%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
HOURS	(L.S.T.)	00	60	90	60	12	15	1.8	12		
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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS			PERCENT	AGE FREQUENC	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	HUMIDITY GRE	ATER THAN			MEAN	TOTAL
(L.S.T.)	%01	20%	30%	40%	20%	%09	70%	80%	%06	HUMIDITY	088.
00	100.0	100.0	100.0	100.0	100.0	89.0	71.0	43.2	12.9	17,1	135
60	100.0	100.0	100.0	100.0	99.4	91.0	80.0	52,3	11,0	78.9	155
90	100.0	100.0	100.0	100.0	98.7	8.46	80.6	58.1	16.8	80.3	155
60	100.0	100.0	100.0	4.66	96.8	85.2	9.09	28.4	8.4	73.8	155
12	100.0	100.0	4.66	93.5	72.9	43.2	21.9	9.0	3,2	59.7	155
15	100.0	100.0	4.66	0.16	61.9	31.6	17.4	7.7	4.5	57.2	155
18	100.0	100.0	100.0	98.1	90.3	73.5	34.8	12.9	4:5	67.3	155
21	100.0	100.0	100.0	100.0	98.7	85.8	62.6	22.6	5,8	73.6	155
TOTALS	100.0	100.0	6.66	97.8	8.68	74.3	53.6	29.3	4.8	71.0	1240

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RELATIVE HUMIDITY

IMAKUNI. JAPAN 43324

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STATION NAME

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PERIOD

MONTH ALL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

74.	HOURS			PERCENT	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN	Y OF RELATIVE	HUMIDITY GRE	EATER THAN			MEAN	TOTAL
WOW I	(L.S.T.)	10%	20%	30%	40%	20%	%09	20%	80%	%06	HUMIDITY	OBS.
JAN	ALL	100.0	100.0	6.66	98.2	90.1	73.8	50.7	27.2	8.9	70.2	1240
FEB		100.0	100.0	49.7	6.96	86.3	71.0	54.8	31.2	11.5	70.6	1128
MAR		100.0	6.66	99.1	95.4	84.8	66.2	46.6	27.0	11.7	68.89	1240
APR		100.0	6.06	6.66	97.5	89.2	74.1	55.8	36.7	20.1	73.1	1200
MAY		100.0	4.66	39.5	96.5	9.68	73.3	54.4	35.8	14.0	71.9	1240
NO.		100.0	100.0	100.0	8.66	97.0	86.4	71.0	4.64	19.6	78.3	1200
JUL		100.0	100.0	100.0	100.0	8.66	93.8	75.8	44.3	14.6	78,5	1240
AUG		100.0	100.0	100.0	100.0	98.2	8.68	8.99	38.6	11.9	76.1	1240
SEP		100.0	100.0	100.0	99.5	8.96	86.4	9.89	44.3	12,1	76.5	1200
100		100.0	100.0	100.0	98.6	91.9	76.9	59.4	40.5	11.4	73,5	1240
NON		100.0	100.0	100.0	98.4	90.4	73.4	52.6	29.8	8.1	70.9	1200
DEC		100.0	100.0	6.66	97.8	89.68	74.3	53.6	29.3	8.4	71.0	1240
5	TOTALS	100.0	100.0	99.8	98.2	92.0	78.3	59.5	36.2	12.5	73.3	14608

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE

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INAKUNI, JAPAN

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	7.1	4.4	8.2	4.9													
	14.3	8	6.7	5.2	4.		1.3										
	3.6	10.0	16.9	17.8	10.0	9.											
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PERCENTAGE FREQUENCY OF AIR TEMPERATURE

WIND DIRECTION

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TEMP. 122+ 117 TO 121 112 TO 116 111 07 701 102 TO 106

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE

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- DEC 1977 JAN 1973

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IMAKUNI, JAPAN

43324 STATION

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HOURS (L.S.T.)

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112 TO 116											
111 07 701											
102 TO 106											
101 01 26											
92 10 96											
16 01 78											
82 TO 86					100.0						. 2
18 01 77		9.5	9.0	14.3		4.8	9.5		23.8	21	
72 TO 76		5.6	6.5	23.1		10.2	1	6.5	10.2	108	
17 07 79	3.7	7.3	10.7	18.0		6.2	1	5.1	17.4	356	
62 70 66	8.0	11.9	6.3	9.3		4.1		11.4	30.6	386	
19 01 75	14.5	15.9	3.1	2.2	6	5.6	12.8	25.6	22.5	227	18.3
52 TO 56	11.7	0.6	2.7	1.8		6.	1	49.5	13.5	111	
47 TO 51	13.0						4.3	78.3	4.3	23	1.9
42 TO 46							20.0	80.0		2	*.
37 TO 41											
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TOTALS	1.5	10.2	9.0	0	0	4					

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE	۸۷
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WIND DIRECTION

JAN 1973 - DEC 1977

INAKUNI, JAPAN

43324 STATION

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-59 & LWR TOTALS

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NAVWEASERVCOM



PERCENTAGE FREQUENCY OF AIR TEMPERATURE

WIND DIRECTION

JAN 1973 - DEC 1977

IMAKUNI, JAPAN

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TEMP.	3 Z Z	NNE NE	2 × 8	ESE & SE	SSE	SSW SW	wsw %	WNW %	CALM	TOTAL FREQ.	% OF TOTAL
132+											
17 10 121											
112 TO 116											
111 07 701											
A01 OT C01											
97 TO 101											
95 10 96		28.6	14.3	14.3	14.3		28.6			1	•
16 01 78	2.7	6.	5.5	25.5	39.1	10.0	13.6		2.7	110	8.9
82 TO 86	2.1	5.9	10.1	24.7	30.9	0.6	5.9	3.5	8.0	286	
18 01 77	2.3	6.3	2.9	10.9	18.3	7.6	6.9	13.9		432	
72 10 76	2.7	6.3	3.6	3.6	9.0	1.5	8.5	20.5	46.5	331	
17 07 79	4.7	18.8	4.7	1.6	4.7		3.1	35.9		99	
62 TO 66	12.5	12.5		12.5	12.5			25.0	25.0	30	9.
19 01 75									1		
52 TO 56											
12 07 74											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 10 21											
12 TO 16											
7 10 11											
2 70 6											
-3 TO 1											
-8 TO-4											
-13 TO -9											
-18 TO-14		S O S A S									
-23 TO-19											
-28 TO-24											
-33 TO-29											
-38 TO-34											
-43 TO-39											
-48 TO-44											
-53 TO-49											
-58 10-54											
-59 & LWR											
TOTALS		3 4	0 4							-	

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NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE	٨٨

WIND DIRECTION

JAN 1973 - DEC 1977

I WAKUNI JAPAN

43324 STATION

AUGUST

1860 1860						WIND DIRECTION	CTION					
\$\frac{8}{4}\$ \frac{8}{4}\$ \frac{12}{4}\$ \fr	TEMP.	MNN	NNE	ENE	ESE	SSE	wss.	wsw	MNW .	CALM	TOTAL	% OF
4.8 9.5 12.5 8.3 12.5 33.3 25.0 2.4 4.2 16.0 2.4 4.3 12.5 33.3 25.0 2.4 4.2 16.0 2.4 4.3 12.5 33.3 25.0 2.4 4.3 10.0 2.4 4.3 10.0 391 2.4 9.8 12.6 12.9 2.9 6.9 2.9 6.9 2.9 6.9 2.9 6.9 2.9 6.8 3.9 10.5 28.1 26.9 4.9 4.4 10.0 19.0 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1	122+			5	200	3		5	8		200	14101
8.3 12.5 8.3 12.5 33.3 25.0 2.4 4.2 15.5 33.3 25.0 2.4 4.2 15.5 33.3 25.0 41.7 10.1 6.0 2.4 4.2 15.5 33.3 25.0 41.7 10.1 6.0 39.1	117 10121											
6.5 6.5 22.0 41.7 10.1 6.0 2.4 6.2 16.6 3.1 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9 6.9	112 TO 116											
8.3 12.5 8.3 12.5 33.3 25.0 2.4 4.2 16.1 6.0 2.4 4.2 16.6 5.2 14.3 12.5 33.3 25.0 2.4 4.2 16.1 6.0 391 6.2 14.6 1.3 12.5 23.5 4.3 6.9 4.4 44.7 26.9 391 6.0 39	111 07 701											
24 6.5 6.5 22.0 41.7 10.1 6.0 2.4 4.2 168 3.1 14.3 12.6 20.2 23.5 4.3 6.9 4.9 10.0 391 5.4 9.8 5.6 2.9 6.8 3.9 10.5 28.1 26.9 409 4.8 9.5 1.3 1.3 1.9 4.9 4.8 64.7 23.7 226 4.8 9.5 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	102 TO 106											
6.3 12.5 33.3 25.0 4.2 2.4 3.1 6.5 22.0 41.7 10.3 6.0 2.4 4.0 10.0 3.1 9.8 5.6 2.0 6.8 3.9 10.0 3.4 4.8 5.6 10.3 6.0 6.0 4.4 4.4 7.2 4.8 9.5 1.3 1.3 6.0 4.6 6.1 9.0 4.8 9.5 1.0 1.0 2.1 5.0 1.0 1.0 2.1 6.0 1.0 1.0 2.1 7.0 1.0 1.0 2.1 8 9.5 1.0 2.0 4.6 4.6 1.0 9 1.0 1.0 2.0 4.6 4.6 1.0 2.1 10 1.0 1.0 2.0 4.6 4.6 1.0 2.1 10 1.0 1.0 2.0 4.6 4.6 1.0 2.0 4.6 10 1.0 2.0 4.6 4.6 4.6 1.0 2.0 4.6 10 2.0 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 <td< td=""><td>97 TO 101</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	97 TO 101											
\$\frac{6}{2}\$ \begin{array}{c ccccccccccccccccccccccccccccccccccc	92 10 96		8.3	12.5	8.3	12.5	33.3	25.0			54	1.9
3.1 14.3 12.6 20.2 23.5 4.3 6.9 4.9 10.0 391 4.8 9.5 1.3 1.9 1.9 1.9 1.0 1.0 1.0 4.8 9.5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 4.0 11.0 7.3 10.7 15.7 4.8 20.4 17.6 1240 1.0	87 10 91	9.	6.5	6.5	22.0	41.7	10.1	6.0	2.4	4.2	168	
9.4 9.8 5.6 2.9 6.6 3.9 10.5 28.1 26.9 409 4.8 61.9 19.0 21 100.0 1 1 100.0	82 TO 86	3.1	14.3	12.8	20.2	23.5	4.3	6.9			166	
4.8 9.5 1.3 1.3 .9 .9 4.4 44.7 25.7 220 4.8 61.9 19.0 1 100.0 1 1 100.0 1	77 TO 81	3.4	8.6	5.6	2.9	6.6	3.9	10.5	2		604	
4.8 9.5 100.0 11.6 7.3 10.7 15.7 4.8 20.4 17.6	72 10 76	6.2	14.6	1.3	1.3	6.	6.	4.4		28.7	226	
100.0 11.6 7.3 10.7 15.7 4.8 20.4 17.6	17 07 79	4.8	9.5					4.8	61.9	19.0	21	1
4.0 11.6 7.3 10.7 15.7 4.8 20.4 17.6	62 TO 66								100.0		7	1.
4.0 11.6 7.3 10.7 15.7 4.8 20.4 17.6	19 01 75											
4.0 11.6 7.3 10.7 15.7 4.8 7.6 20.4 17.6	52 TO 56											
4.0 11.6 7.3 10.7 15.7 4.8 7.8 20.4 17.6	47 10 51											
4.0 11.6 7.3 10.7 15.7 4.8 7.8 20.4 17.6	42 TO 46											
4.0 11.0 7.3 10.7 15.7 4.8 7.8 20.4 17.6	37 TO 41											
4.0 11.6 7.3 10.7 15.7 4.8 7.8 20.4 17.6	32 TO 36											
4.0 11.6 7.3 10.7 15.7 4.8 7.8 20.4 17.6	27 TO 31											
4.0 11.0 7.3 10.7 15.7 4.8 7.8 20.4 17.6	22 TO 26											
4.0 11.0 7.3 10.7 15.7 4.8 7.8 20.4 17.6	17 10 21											
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4.0 11.0 7.3 10.7 15.7 4.8 7.8 20.4 17.6	7 10 11											
4.0 11.0 7.3 10.7 15.7 4.8 7.8 20.4 17.6	2 70 6											
4.0 11.6 7.3 10.7 15.7 4.8 7.8 20.4 17.6	-3 TO 1											
4.0 11.6 7.3 10.7 15.7 4.8 7.8 20.4 17.6	-8 10-4											
4.0 11.6 7.3 10.7 15.7 4.8 7.8 20.4 17.6	-13 TO -9											
4.0 11.6 7.3 10.7 15.7 4.8 7.8 20.4 17.6	-18 TO-14											
4.0 11.6 7.3 10.7 15.7 4.8 7.8 20.4 17.6	-23 TO-19											
4.0 11.6 7.3 10.7 15.7 4.8 7.8 20.4 17.6	-28 TO-24											
4.0 11.6 7.3 10.7 15.7 4.8 7.8 20.4 17.6	-33 TO-29											
4.0 11.6 7.3 10.7 15.7 4.8 7.8 20.4 17.6	-38 TO-34											
4.0 11.6 7.3 10.7 15.7 4.8 7.8 20.4 17.6	-43 TO-39											
4.0 11.6 7.3 10.7 15.7 4.8 7.8 20.4 17.6	-48 TO-44											
4.0 11.6 7.3 10.7 15.7 4.8 7.8 20.4 17.6	-53 TO-49											
4.0 11.6 7.3 10.7 15.7 4.8 7.8 20.4 17.6	-58 TO-54											
4.0 11.6 7.3 10.7 15.7 4.8 7.8 20.4 17.6	-59 & LWR											
	TOTALS		11.6	7.3	10.7	15.7	4.8	7.8	\$002	17.6	1240	100.0

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NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

WIND DIRECTION

JAN 1973 - DEC 1977

IMAKUNI, JAPAN

43324 STATION

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WIND DIRECTION	SSE
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TEMP.	3 Z Z Z	NNE NE	e E R E	ESE & SE	SSE & S	SSW & SW	wsw w &	% x %	CALM	TOTAL FREQ.	% OF TOTAL
122+											
17 TO 121											
112 TO 116											
111 07 701											
102 TO 106											
101 01 26										-	
92 10 %										•	-
16 01 78			17.1	31.4		11.4				35	2.5
82 TO 86	2.4	6.3		19.0			4.8	9.6		126	10
18 01 77	4.9			6.6			6.9	16.8	16.4	304	25.3
72 10 76	9.6			6.8		~	7.1	22.5		324	27.0
17 07 79	12.2		2.3		3.4		8.4	39.9	11.8	238	19,8
62 TO 66	0.6			.,	.,		6.7	59.7		134	11.8
19 01 75		3.3					13.3	80.0		30	2.5
52 TO 56							12.5	87.5		B	•
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 70 6											
-3 TO 1											
-8 10-4											
-13 TO -9											
-18 TO-14											
-23 TO-19											
-28 10-24											
-33 TO-29											
-38 TO-34											
-43 TO-39											
-48 TO-44											
-53 TO-49											
-58 TO-54											
-59 & LWR											
TOTALS	7.5	14.1	6.4	7.5	12.4	9.6	6.8	28.1	13.8		1200 100.0
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VS. WIND DIRECTION

JAN 1973 - DEC 1977

INAKUNI, JAPAN

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TEMP.	NNN N N	NNE NE	ENE ENE	ESE & SE	SSE & S	\$5W & \$W	wsw w &	wnw wn %	CALM	TOTAL FREQ.	% OF TOTAL
122+											
17 TO 121											
112 TO 116											
111 OT 701											
102 TO 106											
101 OT 76											
92 TO 96											
16 01 78					100.0					-	-
82 TO 86		33.3		33.3	33,3					6	.2
77 TO 81	4.7	11.6	14.0	50.0	9.0	4.7	9.3	9.3		43	3.5
72 TO 76	3.1	19.6	14.7	14.1	17.8	6.1	4.3	6.1		163	
17 07 79	7.5	19.2	10.6	6.2	6.6	3.1	12,3	14.7		292	23,5
62 TO 66	17.0	21.4	1.9	1.4	1,1	*	12.9	32.4		364	
57 TO 61	11.7	12.1	1.3		4.	4.	10.4	57.5		240	
52 TO 56	3.1						21.6	71.1		97	
47 TO 51	6.3						12,5	78.1		32	2.6
42 TO 46								100.0		3	4.
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 10 11											
2 TO 6											
-3 TO 1											
-8 TO-4											
-13 TO -9											
-18 TO-14											
-23 TO-19											
-28 TO-24											
-33 TO-29											
-38 TO-34											
-43 TO-39											
-48 TO-44											
-53 TO-49											
-58 TO-54											
-59 & LWR											
TOTALS	10.0	16.2	4 7	4 4	6 7	0	7.1.	23.2		1761	C CC. VYC.

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INTAGE FREQUENCY	.57
ENTAGE FREQUENCY	.57
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ERCENTAGE FREQUENCY	57
PERCENTAGE FREQUENCY OF AIR TEMPERATURE	.57

WIND DIRECTION

JAN 1973 - DEC 1977

NOVEMBER

ALL HOURS

% OF TOTAL

TOTAL FREG.

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111 07 701

112 10 116

101 01 76

102 TO 106

95 10 96

16 01 78

IMAKUNI, JAPAN

WIND DIRECTION

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0.0	2.0	9.9	2.3	1.4

6.8

57 TO 61

72 10 76

20.0	11.9	3.2	1.9	3.4	6.		
20.0	10.2	13.6	9.9	2.3	1.4		
	20.3	26.6	17.9	14.7	7.0		

-							
26.6	17.9	14.7	7.0				
7.8	13.2	10.2	8.6	4:4	6.1	6.7	

14.	7.					
10.2	9.8	4.4	6.1	6.7		
99	15	46	4	36	31	26
52 TO 56	47 10 51	42 TO 46	37 TO 41	32 TO 36	27 TO 31	22 TO 26
52	47	42	37	32	27	22

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-58 TO-54 -59 & LWR TOTALS NAVWEASERVCOM

-18 TO-14 -23 10-19 -28 TO-24 -33 TO-29 -38 TO-34 -43 TO-39 -48 TO-44 -53 TO-49

-13 10 -9

-3 10 1 -8 10-4

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17 10 21

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82 TO 86

18 01 77

PERCENTAGE FREQUENCY OF AIR TEMPERATURE WIND DIRECTION

INAKUNI. JAPAN

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JAN 1973 - DEC 1977

DECEMBER

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ALL HOURS (L.S.T.)

222.9 1239 100.0 % OF TOTAL FREG. 12.7 16.0 14.0 1230 1720 1000 1000 1000 1000 35.1 × × × × 16.0 25.8 27.8 33.9 26.2 48.0 wsw w w 4 N 4 M T 2.8 SSW & SW WIND DIRECTION 1.6 4 4 SSE & S 5.7 5.6 ESE & 100.0 10.8 3.6 ENE S 26.0 17.5 17.5 5.3 7.7 NNE NE 2.0 3.9 6.9 7:1 N Z -43 TO -39 -18 TO-14 -28 TO-24 -58 TO-54 -59 & LWR -23 TO-19 -33 10-29 -38 TO-34 -48 TO-44 27 TO 31 -53 TO-49 42 TO 46 -13 TO -9 101 01 76 92 10 96 82 TO 86 17 07 79 57 TO 61 52 70 56 37 TO 41 17 10 21 112 TO 116 111 OT 701 102 TO 106 16 01 78 18 OT 77 72 10 76 62 TO 66 47 TO 51 32 10 36 22 TO 26 -3 10 1 17 10 121 -8 10-4 12 TO 16 11 01 / 122+ 2 10 6

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE

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WIND DIRECTION

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IMAKUNI, JAPAN

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TEMP.	N Z	N N N	E E	ESE	SSE	SSW SW	wsw w	3 3 X	CALM	TOTAL FREG.	% OF TOTAL
122+		,									
117 TO 121											
112 TO 116											
111 07 701											
102 TO 106											
101 01 26											
92 10 96		12.5	12.5	9.6	15.6		25.0			32	.2
16 01 78	1.3	3.8	7.3	24.1	40.8		8.2	1.3	3.2	316	
82 TO 86	2.7	10.1	11.0	21.0	28.0		4.9	4.4	8.7	838	
18 01 77	3.8	9.6	8.6	9.5	17.5		8.1	16.9		1373	
72 TO 76	4.5	7	7.6	6.6	13.1	3.6	7.1	18.2	24.1	1508	
17 07 79	0.9		8.8	8.1	11.8		8.9	17.5		1570	
62 TO 66	9.6	-	0.9	5.6	0.8		10.5	23.7		1546	
19 01 75	1001		9.6	6.4	6.3		11.9	26.9		1281	
52 TO 56	0.0		3.6	5.3	6.1		16.4	25.6		1371	
47 TO S1	0.6	7	5.5	5.4	4.7	2.8	18.2	27.1		1372	
42 TO 46	9.6	-	3.6	2.9	1.8	2.0	20.8	34.2		1371	7.6
37 TO 41	8.2		6.	4.		1.4	24.9			1102	
32 70 36	4.7					.3	31,2			717	
27 TO 31	6.8					1.1	36.0			186	1.3
22 TO 26	2.0						45.0	45.0		20	
17 10 21								33.3	0	m	•
12 TO 16											
7 10 11											
2 70 6											
-3 TO 1											
8 TO-4											
-13 TO -9											
-18 TO-14											
-23 TO-19											
-28 TO-24											
-33 TO-29											
-38 TO-34											
-43 TO-39											
-48 TO-44											
-53 TO-49											
-58 TO-54											
-59 & LWR											
TOTALS	0.0	0.01	5.6	6.9	7.4	6.0		25.7	100		0.001 00041

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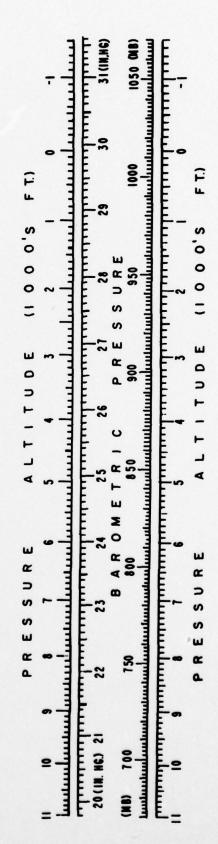
PART F

PRESSURE SUMMARY

for all hours combined. All years of data available are combined in both of these tables, although the overall of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page Presented in this part are two tables giving the means, standard deviations, and total number of observations period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

- 1. Station pressure in inches of mercury.
- 2. Sea-level pressure in millibars.

altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

43354	3	IMAKUNI.	JAPAN				73-77	11						
STATION			S	TATION NAME						YEARS				
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
8	S. D. TOTAL OBS	30.154	30-124	9	158	9.909	29.766	29.7952 103	9.794	29.8953 .128	138	30.1393	155	29.987
8	S. D. TOTAL OBS	30.15030.119 .152 .162 155 141		30.0762	19.9622	9.893	29.7532 .121 .150	29.7822	152	29.885 128 150	30.038	150	0.160	29.977
80	S. D. TOTAL OBS	30.14830.118 .155 .167		30.0852	.166	9.907	29.766 .128 150	.110	191.156	29.892 131	30.046	30-1393	00-160 -151	29,984
60	S. D. TOTAL OBS	30.17830.142 .160 .174 .155 .141		30.1152	.166	9.924	125	108	154	29.914	30.077	30-1713	153	30.008
12	S. D. TOTAL OBS	30.1	120	30.0932	9.9812	9.907	29.7652 .125	155	9.790	29.8983	30.050	30-1373	155	29.986
2	S. D. TOTAL OBS	30.10830.070 .154 .167	30.070	30.0392	19.9352	9.866	29.734 .120	29.7632	153	29.8583	0.00	141	150	29.945
18	S. D. TOTAL OBS	30.13330.089 .152 .164	30.089	30.0452	150	151	29.7262	.099	9.749	29.8613	0.020	30.1163	0.140	29.952
12	S. D. TOTAL OBS	30.15830.120		30.0822	150	9.895	29.758 .115	29.7862	152	128	30.0543	150	155	29.984
ALL	S. D. TOTA! OBS	30.1	55 .167	30.0782	158	9.895	122	105	.155	129	0.042	100	151	29.978

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MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

STATION				STATION NAME						YEARS			1	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00	MEAN S. D. TOTAL OBS	1021.41020.4 5.148 5.437 155 141	5.437	1019.1 5.317 155	5.358	5.293 5.293	4.102	3.480	5.165	1012.6 4.337 150	4.673	5.218	1021.7 5.014 155	1015.7
60	S. D. TOTAL OBS	1021.31020.21 5.165 5.508 155 141	5.508	5.363	5.480	5.411	1014.91012.51007.8100 5.480 5.411 4.095 3.	8.8	5.142	5.142 4.368 4.797 5.142 4.368 4.797	4.797	1020.7102 5.199 5.0	1021.6 5.002 155	1015.4
90	S. D. TOTAL OBS	1021.21020.21 5.257 5.650 155 141	1020.2 5.650 141	5.464	1015.3101 5.633 5.	5.561 5.561	13.01008.31009.11009.11012.51017.7 .561 4.279 3.711 5.299 4.432 4.948 155 150 155 155 159	3.711	5.299	4.432	4.948	5.199	71020.81021.6 8 5.199 5.096 5 150 155	1015.6 7.036 1826
60	S. D. TOTAL OBS	1022.21021.0 5.410 5.863 159 141	022.21021.0. 5.410 5.863 155 141	1020.11 5.432 155	5.609	1013.6 5.540 155	5.540 4.244 155 150	3.63	5.221 4.	3.3 538 150	1018,8	1022.0 5.086 150	5.191	1016.4
21	S. D. TOTAL OBS	1021.11020.21 5.398 5.878 155 141	1020.2 5.878 141	1019.31 5.241 155	5.360	5.416 4	225	3.56	21009-01012 5 5-380 4-3 5 155 1	223	1017.810 4.881	806	5.260	1015.7
2	S. D. TOTAL OBS	1019.81018.51 5.227 5.627 155 141	5.627		017.51014.01 4.984 4.971 155 150	5.1	.61007.2 41 4.050 55 150	7.21008.2) 50 3.351 150 155	5.165	21007-81011-31 1 5-165 4-097	4.733 4.155	769	1020.0 5.058	1014.3
1.8	S. D. TOTAL OBS	1020.71019.2 5.160 5.539 155 141	5.539	4.935	58.0	5.118	11.41096.91007.91007.71011.51016.81020.11020 .118 3.949 3.336 5.180 4.175 4.602 4.770 5.0	3.336	5.180	4.175	4.602	4.770	1020.9 5.039	1014.5
12	S. D. TOTAL OBS	1021.51020.2 5.161 5.507 155 141		1019-01 5-078 155	1015.21 5.234 150	5.187	.21012.61006.01008.9 34 5.187 3.908 3.461 50 155 150 155	3.461	91009-01012 1 5-122 4-3	1012.81018.0 4.339 4.617	4.617	018-01021-010 4-617 4-988 5	1021.7 5.006 155	1015.6
ALL	MEAN S. D. TOTAL OBS	1021.11020.01 5.265 5.657 1240 1128	1020.0 5.657	5.274 5.367 5.367 4.133 3.540 1240 1240 1240 1240	5.367	5.367	4.133	3.540	5.234	4.364	1008.81012.41017.61020.71021 5.234 4.364 4.815 5.051 5.1 1240 1200 1240 1200 12	5.051	5.114	7.020

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